

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

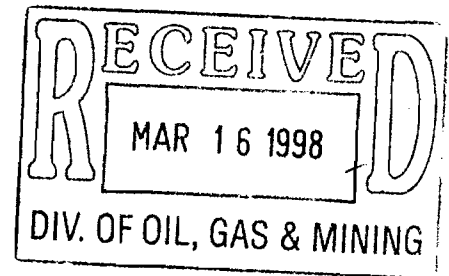
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. UNIT AGREEMENT NAME RED WASH UNIT	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS-WELL <input type="checkbox"/> OTHER <u>Water Injection</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. FARM OR LEASE NAME, WELL NO. RWU #324 (23-16B)	
2. NAME OF OPERATOR CHEVRON USA PRODUCTION CO., INC.		9. API WELL NO.	
3. ADDRESS AND TELEPHONE NO. 11002 EAST 17500 SOUTH, VERNAL, UT 84078-8526 (435) 781-4300		10. FIELD AND POOL, OR WILDCAT RED WASH - GREEN RIVER	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1274' FSL, 1838' FWL, SESW 388 560 At proposed prod. Zone 2008' FSL, 1986' FWL, NESW 612 604		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 16-T7S-R23E, SLBM	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* ~20.1 MILES FROM VERNAL, UT		12. COUNTY OR PARISH UINTAH	13. STATE UTAH
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST 1274' PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. Unit line, if any)	16. NO. OF ACRES IN LEASE 640	17. NO. OF ACRES ASSIGNED TO THIS WELL NA	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, approx. 1313' OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 6026' MD 5874' TVD	20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5422' GL		22. APPROX. DATE WORK WILL START* 10/1/98	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24#	360'	200 SX. CLASS G
7-7/8"	5-1/2" K-55	15.5#	6026'	250 SX. HI-FILL G, 380 SX. CLASS G

Chevron proposes to directionally drill a new Class II ER water injection well at the location above. A directional well is required due to topographical features at the proper quarter section center. Attachments:

Certified plat
Self certification statement
Thirteen point surface use plan
Eight point drilling plan



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bradley G. Hill for JTC TITLE Red Wash Asset Team Leader DATE 3-11-98
(This space for Federal or State office use)

PERMIT NO. 43-047-33084 APPROVAL DATE 4/8/98

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL RECLAMATION SPECIALIST III DATE 4/8/98

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T7S, R23E, S.L.B.&M.

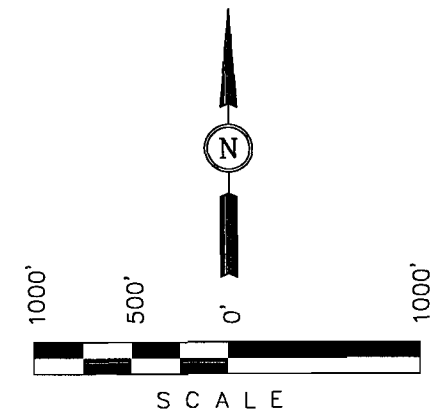
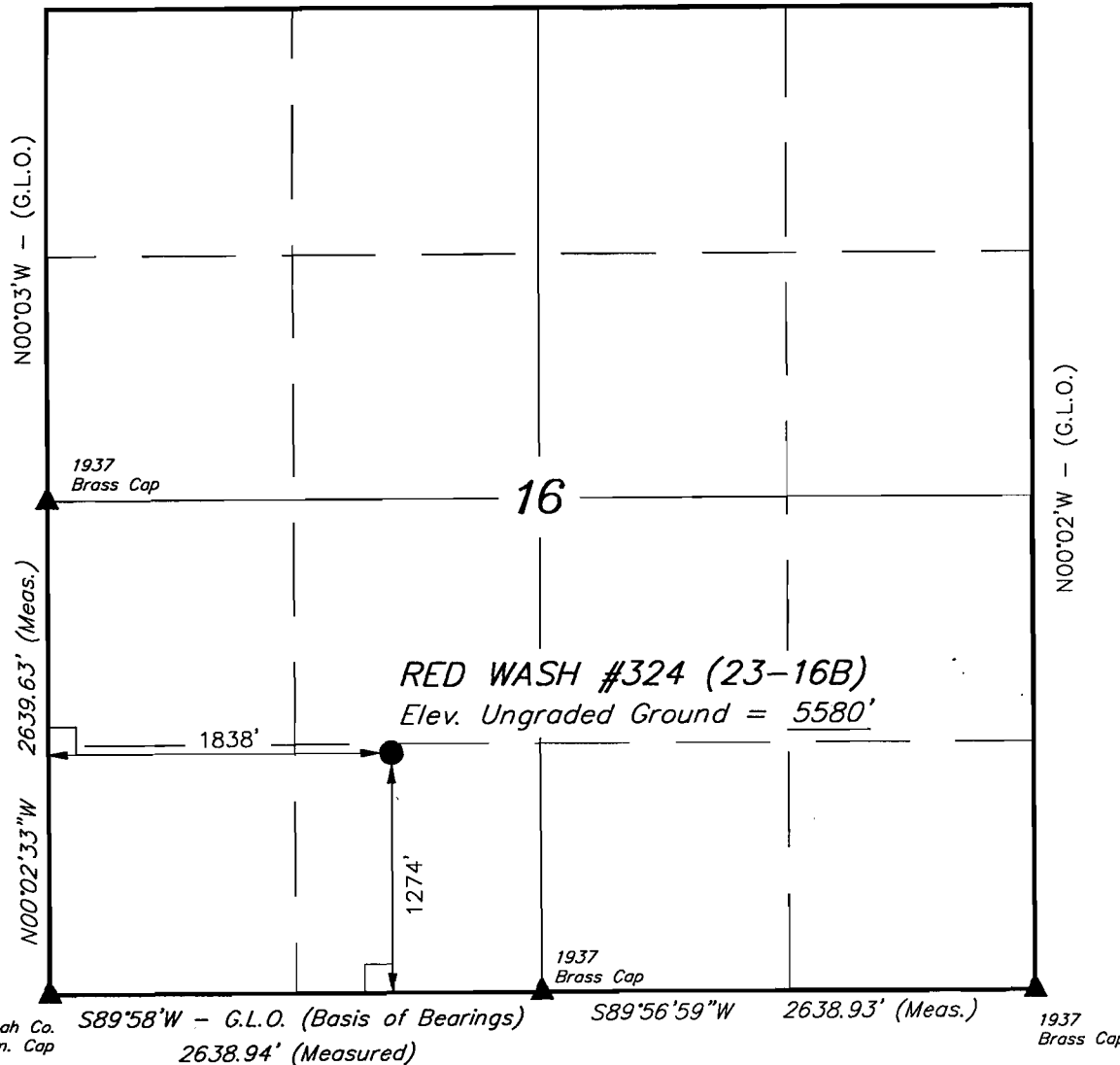
CHEVRON U.S.A., INC.

Well location, RED WASH #324 (23-16B),
located as shown in the SE 1/4 SW 1/4 of
Section 16, T7S, R23E, S.L.B.&M. Uintah
County, Utah

WEST - 80.00 (G.L.O.)

BASIS OF ELEVATION

SPOT ELEVATION IN THE SE 1/4 SE 1/4 OF SECTION
17, T7S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH,
QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD.
(TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY.
SAID ELEVATION IS MARKED AS BEING 5617 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

Robert Lefay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 10-17-97	DATE DRAWN: 10-20-97
PARTY D.K. D.H. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE CHEVRON U.S.A., INC.	

United States Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 West
Vernal, UT 84078

SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Red Wash Unit #324 (23-16B), SESW-Sec.16-T7S-R23E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-81-34 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,


J. T. Corley
Red Wash Area Team Leader

DATE: 3-11-98

CHEVRON USA PRODUCTION CO.

**RED WASH UNIT #324 (23-16B)
1274' FSL & 1838' FWL
SESW-S16-T7S-R23E, SLB&M
UINTAH COUNTY, UTAH**

THIRTEEN POINT SURFACE USE PLAN

1. EXISTING ROADS:

- A. See Topographic Map A. There are no plans to change, alter or improve upon any existing state or county road.
- B. See Topographic Map A & B. Proposed access road begins approximately 21.3 miles from Vernal, UT.

2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:

- A. See Topographic Maps A and B. An access road approximately 0.1 mile in length is proposed.

3. LOCATION OF EXISTING WELLS WITHIN ONE MILE:

- A. See Topographic Map B.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE:

- A. See Topographic Map B.
- B. Injection monitoring and metering equipment will be installed on location. A buried injection flowline connected to existing facilities will be installed.
- C. Disturbed areas no longer needed for operations will be graded back to as near original state as possible. Drainage channels will be returned to original state and the areas will be reseeded as prescribed by the State of Utah.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Red Wash Unit fresh water supply, Application #A17791, Water Right Number 49-2153. Water will be trucked ~5 miles from existing Red Wash Unit facilities.

RWU #324 (23-16B) THIRTEEN POINT SURFACE USE PLAN

6. CONSTRUCTION MATERIALS:

- A. Native dirt and gravel will be used as construction materials.

7. METHODS FOR HANDLING WASTE DISPOSAL:

- A. A lined reserve pit will be constructed to contain excess drilling fluids.
- B. Excess reserve pit fluid will be disposed of via evaporation, percolation at pit abandonment or haul-off to a commercial disposal facility.
- C. Drill cuttings will be caught and settled in the reserve pit and buried when the pit is backfilled.
- D. Commercial service will provide portable toilets and haul-off to a commercial disposal facility.
- E. Trash will be stored in trash containers and hauled to commercial or municipal facility for disposal.
- F. It is not anticipated that any salt or chemicals will need to be disposed of. If required, disposal will be by commercial disposal facility.
- G. In the event fluids are produced, any oil will be transferred to existing facilities within Red Wash Unit and sold. Any water will be transferred to Red Wash Unit disposal facilities.
- H. Hazardous chemicals 10,000lb. of which will most likely be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the hazardous chemicals in quantities of 10,000 lb. or more will be associated with these operations.
- I. Extremely hazardous substances threshold quantities of which will be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

8. ANCILLARY FACILITIES:

- A. None.

RWU #324 (23-16B) - THIRTEEN POINT SURFACE USE PLAN

9. WELLSITE LAYOUT:

- A. See Figures 1 and 2.
- B. Burn pit will not be lined.
- C. Access to the well pad will be as shown on Topographic Map B.

10. PLAN FOR RESTORATION OF SURFACE:

- A. All surface areas not required for production operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return surface to its present appearance and provide soil for seed growth.
- B. The topsoil will be evenly distributed over the disturbed areas. Reseeding will be performed as directed by the State of Utah.
- C. Pits that would present a hazard to wildlife or livestock will be backfilled when the rig is released and removed.
- D. Completion of the well is planned during 1998. Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as soon as possible.

11. SURFACE OWNERSHIP:

- A. The wellsite, access roads and production facilities are constructed on state lands. The operator shall contact the State of Utah at (801) 538-5277 between 24 and 48 hours prior to construction activities.

12. OTHER INFORMATION:

- A. The well is located in steep hilly terrain. Vegetation consists of sagebrush and natural grasses around the location. The soil is a poorly developed, semi-arid, thin topsoil layer over the Uintah Formation.
- B. Surface use activities other than the oil and gas well facilities consist of grazing.
- C. There are no occupied dwellings near the wellsite.
- D. Archeological clearance has been recommended per Senco-Phenix Report SPUT-207, dated 11/7/97.

RWU #324 (23-16B) - THIRTEEN POINT SURFACE USE PLAN

E. Paleontological clearance was recommended by Uinta Paleontological Associates, 11/12/97.

13. COMPANY REPRESENTATIVE:

Mr. J. T. Conley
11002 East 17500 South
Vernal, UT 84078
(435) 781-4301

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron USA Production Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

3-11-98
Date

J. T. Conley JTC
J. T. Conley
Red Wash Asset Team Leader

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

CHEVRON USA., INC.

TYPICAL CROSS SECTIONS FOR

RED WASH #324 (23-16B)
SECTION 16, T7S, R23E, S.L.B.&M.
1274' FSL 1838' FWL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 10-20-97
Drawn By: D.COX

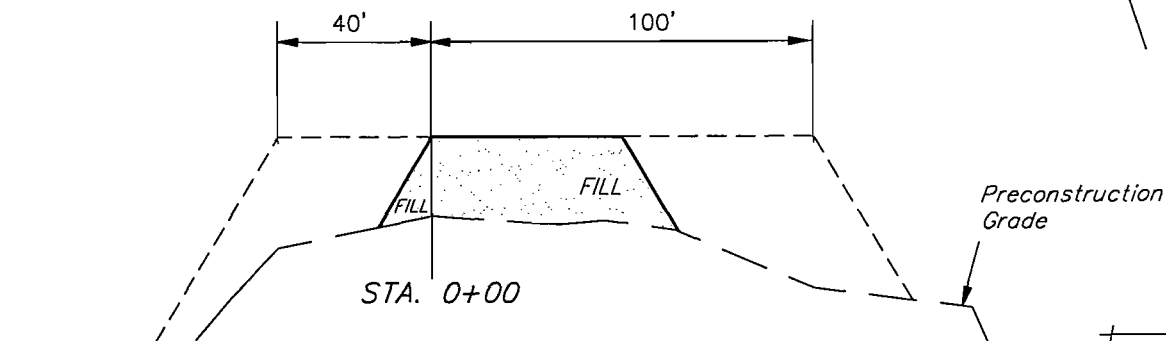
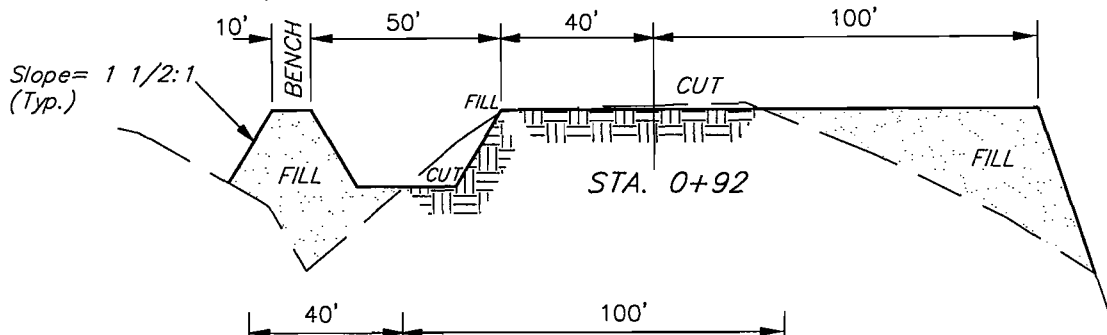
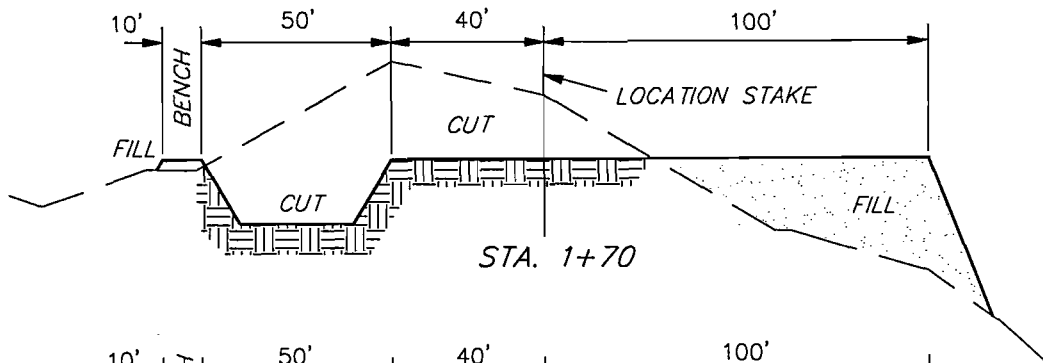
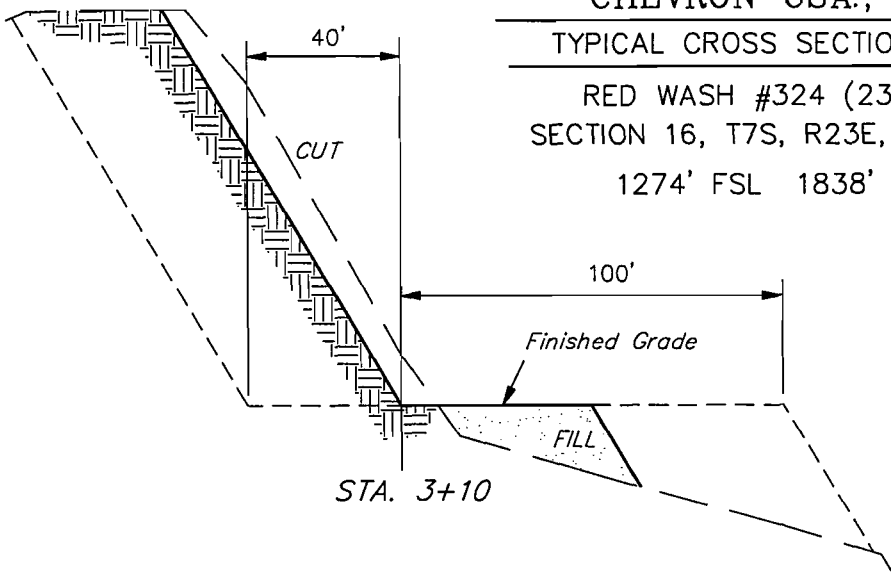
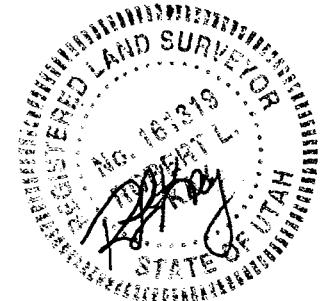


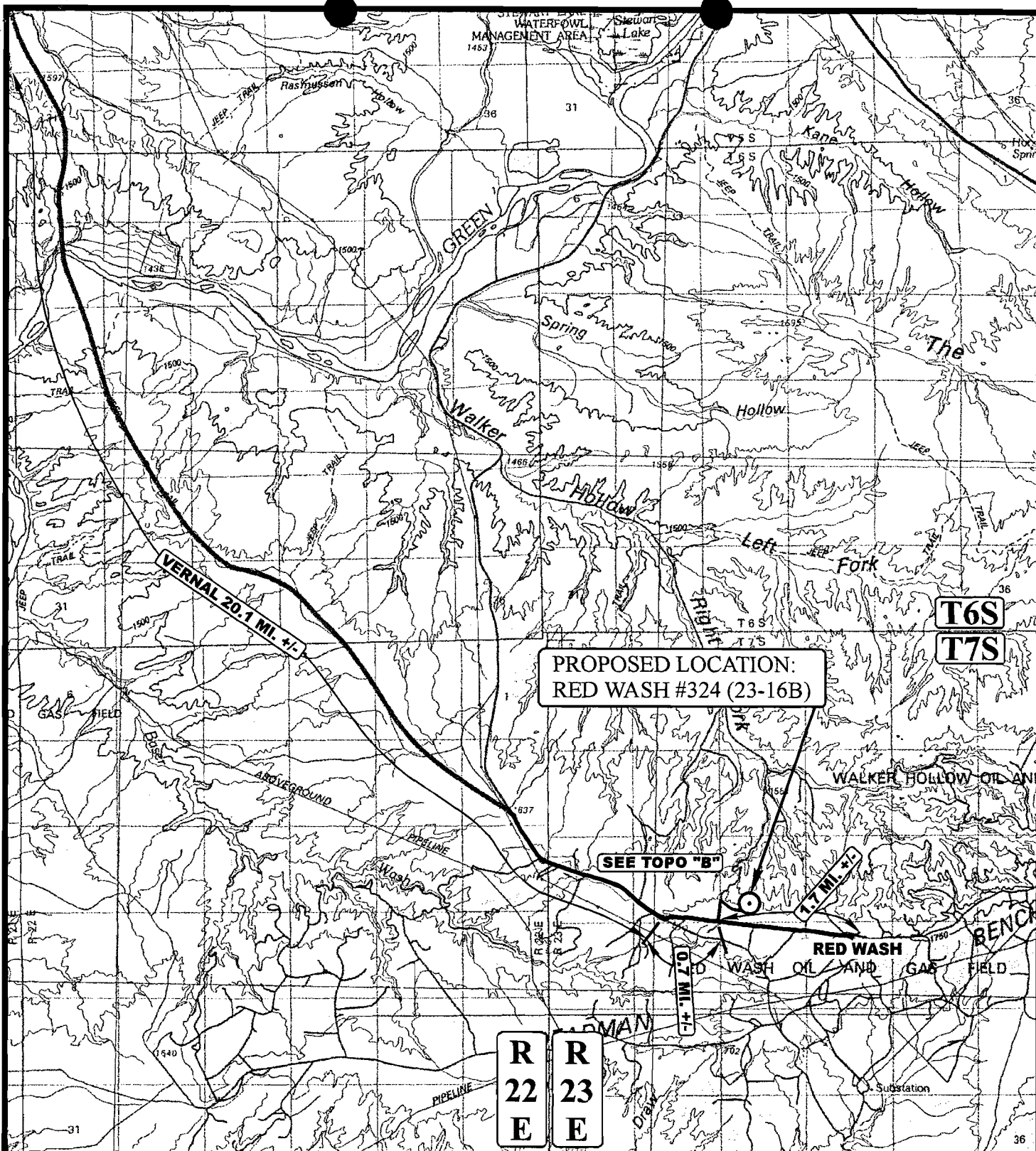
FIGURE #2

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 840 Cu. Yds.
Remaining Location = 9,330 Cu. Yds.
TOTAL CUT = 10,170 CU.YDS.
FILL = 8,400 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 1,340 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 1,340 Cu. Yds.
EXCESS CUT MATERIAL = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017



LEGEND:

○ PROPOSED LOCATION



CHEVRON U.S.A., INC.

RED WASH #324 (23-16B)

SECTION 16, T7S, R23E, 6th P.M.

1274' FSL 1838' FWL



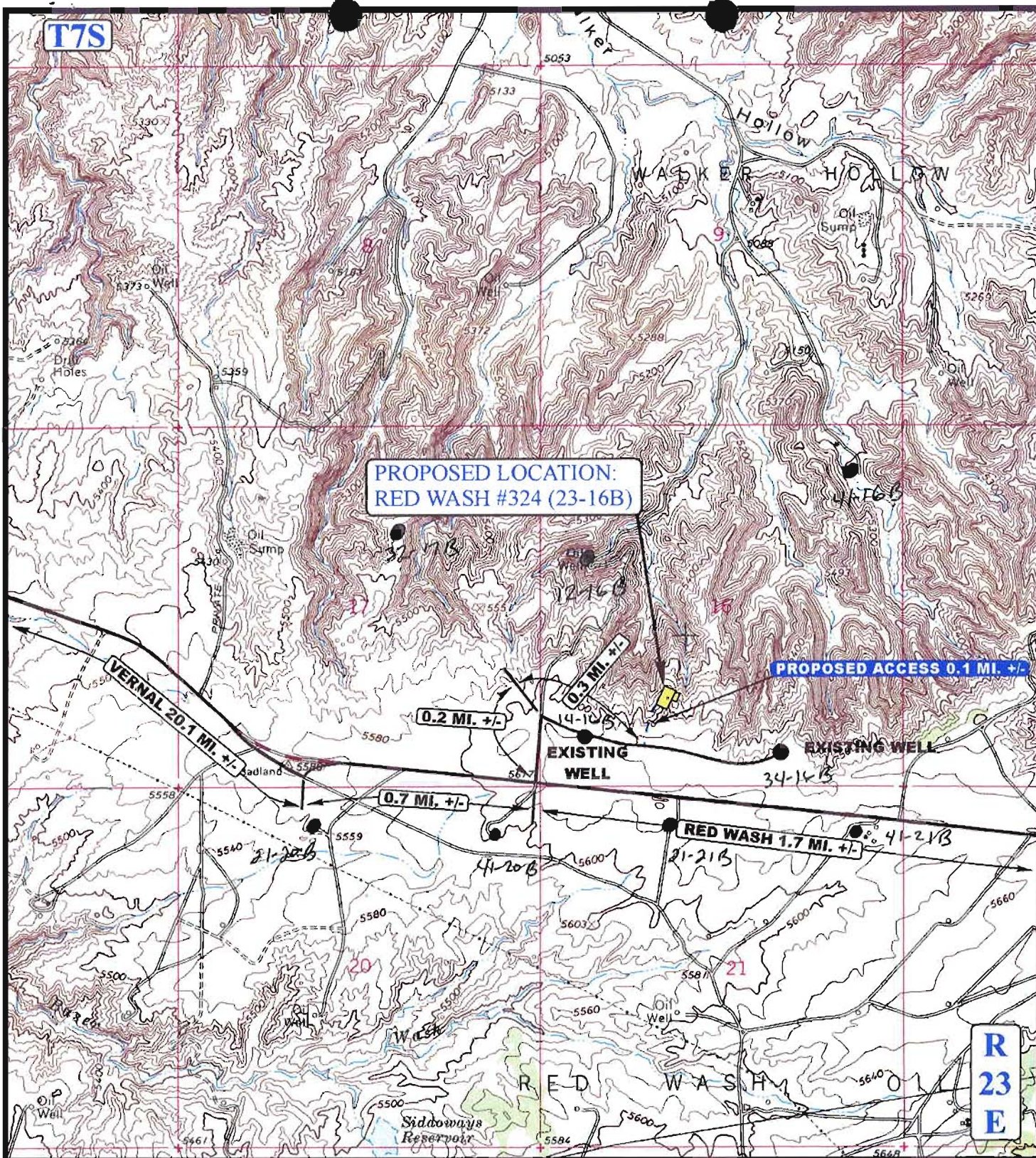
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (801) 789-1017 * FAX (801) 789-1813
 Email: uels@easilink.com

**TOPOGRAPHIC
 MAP**

10 27 97
 MONTH DAY YEAR

SCALE: 1 : 100,000 DRAWN BY: C.G. REVISED: 00-00-00

**A
 TOPO**



LEGEND:

--- PROPOSED ACCESS ROAD
 — EXISTING ROAD



CHEVRON U.S.A., INC.

RED WASH #324 (23-16B)
 SECTION 16, T7S, R23E, 6th P.M.
 1274' FSL 1838' FWL



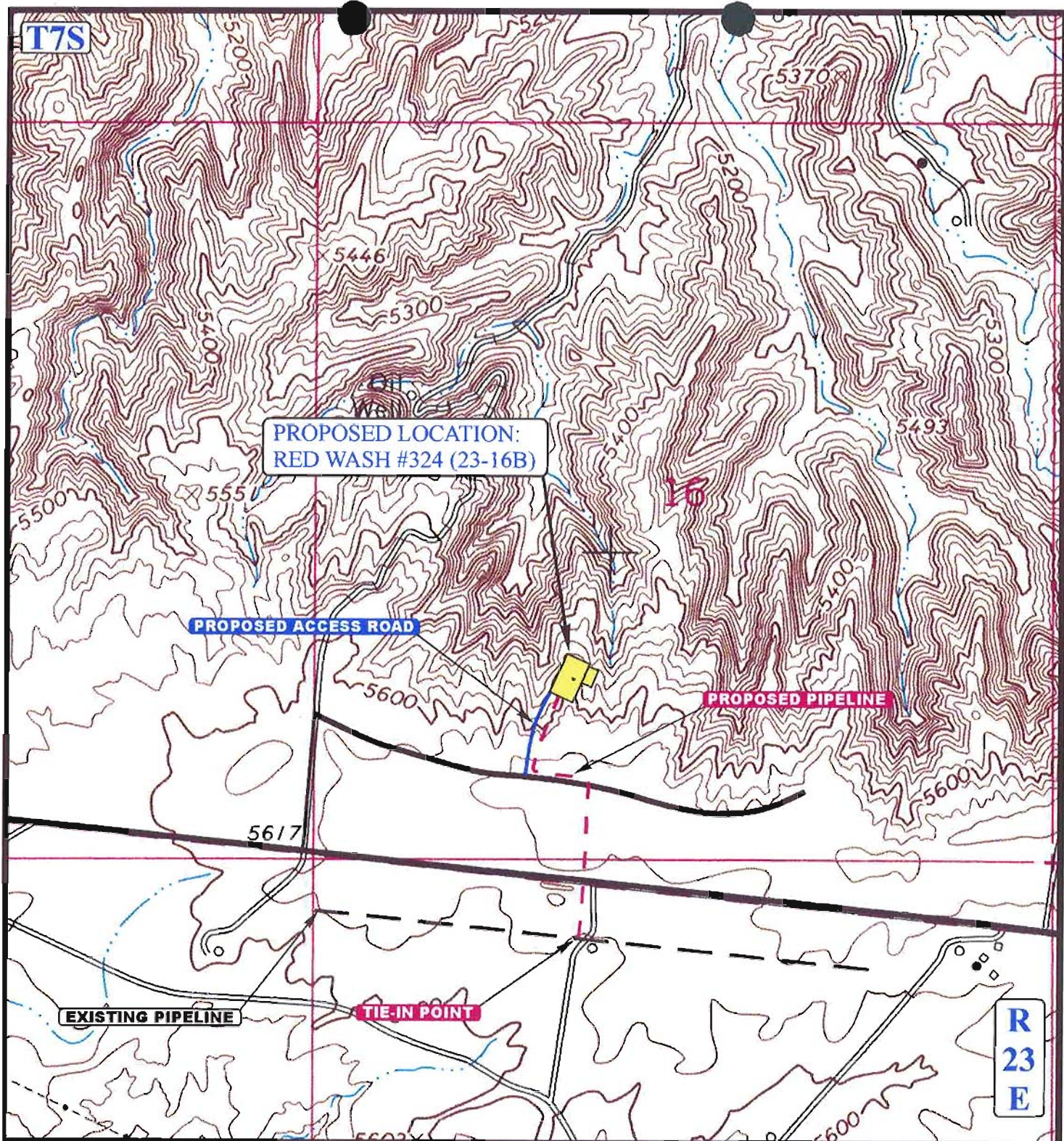
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 Email: uels@easlink.com

TOPOGRAPHIC
 MAP

10 27 97
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00

B
 TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 2100' +/-

LEGEND:

- — — — — EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- — — — — PROPOSED ACCESS



CHEVRON U.S.A., INC.

**RED WASH #324 (23-16B)
SECTION 16, T7S, R23E, 6th P.M.
1274' FSL 1838' FWL**



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

**TOPOGRAPHIC
MAP**

10 27 97
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00

**C
TOPO**

CHEVRON USA PRODUCTION CO.

**RED WASH UNIT #324
1274' FSL, 1838' FWL
SESW-SEC. 16-T7S-R23E
UINTAH COUNTY, UTAH**

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~3148' MD, ~3124' TVD'
Oil Shale	~3865' MD, ~3834' TVD
Green River "F"	~4051' MD, ~4020' TVD

2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:

Deepest Fresh Water: ~3148' MD, top of Green River Formation. The Green River Formation is classified by the EPA as an exempt aquifer in the vicinity of the proposed well.

Oil Shale: Oil shale is expected between the depths of ~3865-4300' MD, ~3834-4264' TVD.

Oil and Gas: Gas possible in the Uinta Formation. Oil and gas expected in intervals of the Green River Formation from ~4051' MD to TD.

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by cementing surface casing and production casing back to the surface or to depths sufficient to isolate required formations. Please refer to casing and cement information for protection plans.

3. PRESSURE CONTROL EQUIPMENT:

For drilling surface hole to 360': No BOP equipment required.

For drilling through 8.625" surface casing to TD:

Maximum anticipated surface pressure is <1300 psi.

RWU #324(23-16B) - EIGHT POINT DRILLING PLAN

Pressure control equipment shall be in accordance with BLM minimum standards for 2000 psi equipment.

A casing head with an 11", 3000 psi flange will be screwed or welded onto the 8.625" surface casing.

BOP stack will consist of a double gate and annular preventer. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 2000 or 3000 psi working pressure. The choke and kill lines will be 2" or 3" bore, 2000 or 3000 psi working pressure. Please refer to attached schematics.

A rotating head may be used while drilling below surface casing for control of gas cut mud.

Test procedure and frequency shall be in accordance with BLM minimum standards for 2000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Casing	Weight	Grade	Conn.	Stage	Centralizers
8.625"	24.0 #/ft.	K-55	STC	No	*
5.5"	15.5 #/ft.	K-55	LTC	No	As Needed

* Centralizers will be placed 10' above shoe, on 1st and 3rd collars.

Casing	Cement
8.625"	Oilfield type cement circulated in place. Class "G" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Excess to to surface with 238 cf (200 sx) calculated. Tail plug used. Allowed to set under pressure.

RWU #324(23-16B) - EIGHT POINT DRILLING PLAN

5.500" Lead/Tail oilfield type cement circulated in place.
Tail slurry: Class G + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to ~3700' (~350' above top of Lower Green River).
Lead slurry: Class "G" + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

Drilling Equipment:

Drilling of the surface hole will be with a small rotary rig equipped to use air, fluid or a combination of both. Hole size will be in the 12 1/4" - 11" range at the discretion of the drilling contractor.

It is planned to establish the desired directional azimuth and inclination starting at ~400', as detailed in the directional calculations enclosed. Drilling below surface casing will be with conventional rotary equipment utilizing fresh water mud. Hole size will be 7 7/8".

A rotating head may be used while drilling below surface casing for control of gas cut mud.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

RWU #324(23-16B) - EIGHT POINT DRILLING PLAN

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging: (Base of surface casing to TD)

Mud logging - 4500' to TD
GR-SP-Induction
Neutron-Density
MRIL

Coring:

None planned.

Testing:

None planned.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Maximum expected BHP:	~2545 psi.
Maximum expected BHT:	~140° F.

No other abnormal hazards are anticipated and no contingency plans are required.

8. OTHER:

None.



Job Number:
Company: CHEVRON USA
Lease/Well: REDWASH #324
Location: SEC. 16, T7S-R23E
Rig Name:
RKB:
G.L. or M.S.L.:

State/Country: UINTAH, UT
Declination:
Grid:
File name: C:\SURVEY\RWASH324.SVY
Date/Time: 09-Feb-98 / 16:37
Curve Name: KOP 400'

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 11.37

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
KOP 400' @1.5°/100'										
400.00	.00	11.37		400.00	.00	.00	.00	.00	.00	.00
460.00	.90	11.37	60.00	460.00	.46	.09	.47	1.50	.47	11.37
520.00	1.80	11.37	60.00	519.98	1.85	.37	1.88	1.50	1.88	11.37
580.00	2.70	11.37	60.00	579.93	4.16	.84	4.24	1.50	4.24	11.37
640.00	3.60	11.37	60.00	639.84	7.39	1.49	7.54	1.50	7.54	11.37
700.00	4.50	11.37	60.00	699.69	11.54	2.32	11.77	1.50	11.77	11.37
760.00	5.40	11.37	60.00	759.47	16.62	3.34	16.95	1.50	16.95	11.37
820.00	6.30	11.37	60.00	819.15	22.61	4.55	23.07	1.50	23.07	11.37
880.00	7.20	11.37	60.00	878.74	29.53	5.94	30.12	1.50	30.12	11.37
940.00	8.10	11.37	60.00	938.20	37.36	7.51	38.11	1.50	38.11	11.37
HOLD ANGLE										
946.24	8.19	11.37	6.24	944.38	38.22	7.69	38.99	1.50	38.99	11.37
1046.24	8.19	11.37	100.00	1043.35	52.20	10.50	53.24	.00	53.24	11.37
1146.24	8.19	11.37	100.00	1142.33	66.17	13.31	67.49	.00	67.49	11.37
1246.24	8.19	11.37	100.00	1241.31	80.14	16.12	81.75	.00	81.75	11.37
1346.24	8.19	11.37	100.00	1340.29	94.11	18.93	96.00	.00	96.00	11.37
1446.24	8.19	11.37	100.00	1439.27	108.08	21.74	110.25	.00	110.25	11.37
1546.24	8.19	11.37	100.00	1538.25	122.06	24.55	124.50	.00	124.50	11.37
1646.24	8.19	11.37	100.00	1637.23	136.03	27.36	138.75	.00	138.75	11.37
1746.24	8.19	11.37	100.00	1736.21	150.00	30.17	153.00	.00	153.00	11.37
1846.24	8.19	11.37	100.00	1835.19	163.97	32.98	167.26	.00	167.26	11.37
1946.24	8.19	11.37	100.00	1934.17	177.94	35.79	181.51	.00	181.51	11.37
2046.24	8.19	11.37	100.00	2033.15	191.92	38.60	195.76	.00	195.76	11.37
2146.24	8.19	11.37	100.00	2132.13	205.89	41.41	210.01	.00	210.01	11.37
2246.24	8.19	11.37	100.00	2231.11	219.86	44.22	224.26	.00	224.26	11.37
2346.24	8.19	11.37	100.00	2330.08	233.83	47.03	238.51	.00	238.51	11.37
2446.24	8.19	11.37	100.00	2429.06	247.80	49.84	252.77	.00	252.77	11.37
2546.24	8.19	11.37	100.00	2528.04	261.78	52.65	267.02	.00	267.02	11.37
2646.24	8.19	11.37	100.00	2627.02	275.75	55.46	281.27	.00	281.27	11.37

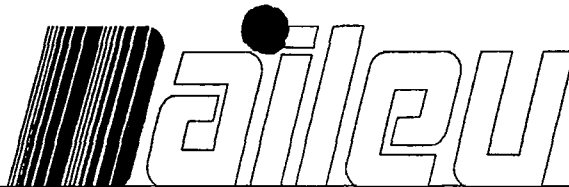
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	CLOSURE Direction Deg
2746.24	8.19	11.37	100.00	2726.00	289.72	58.27	295.52	.00	295.52	11.37
2846.24	8.19	11.37	100.00	2824.98	303.69	61.08	309.77	.00	309.77	11.37
2946.24	8.19	11.37	100.00	2923.96	317.66	63.89	324.02	.00	324.02	11.37
PROBABLE PACK ASSEMBLY										
3046.24	8.19	11.37	100.00	3022.94	331.64	66.70	338.28	.00	338.28	11.37
3146.24	8.19	11.37	100.00	3121.92	345.61	69.51	352.53	.00	352.53	11.37
3246.24	8.19	11.37	100.00	3220.90	359.58	72.32	366.78	.00	366.78	11.37
HOLD ANGLE										
3346.24	8.19	11.37	100.00	3319.88	373.55	75.13	381.03	.00	381.03	11.37
3446.24	8.19	11.37	100.00	3418.86	387.52	77.94	395.28	.00	395.28	11.37
3546.24	8.19	11.37	100.00	3517.84	401.49	80.75	409.54	.00	409.54	11.37
3646.24	8.19	11.37	100.00	3616.81	415.47	83.56	423.79	.00	423.79	11.37
3746.24	8.19	11.37	100.00	3715.79	429.44	86.37	438.04	.00	438.04	11.37
3846.24	8.19	11.37	100.00	3814.77	443.41	89.18	452.29	.00	452.29	11.37
3946.24	8.19	11.37	100.00	3913.75	457.38	91.99	466.54	.00	466.54	11.37
4046.24	8.19	11.37	100.00	4012.73	471.35	94.80	480.79	.00	480.79	11.37
4146.24	8.19	11.37	100.00	4111.71	485.33	97.62	495.05	.00	495.05	11.37
4246.24	8.19	11.37	100.00	4210.69	499.30	100.43	509.30	.00	509.30	11.37
4346.24	8.19	11.37	100.00	4309.67	513.27	103.24	523.55	.00	523.55	11.37
4446.24	8.19	11.37	100.00	4408.65	527.24	106.05	537.80	.00	537.80	11.37
4546.24	8.19	11.37	100.00	4507.63	541.21	108.86	552.05	.00	552.05	11.37
4646.24	8.19	11.37	100.00	4606.61	555.19	111.67	566.30	.00	566.30	11.37
4746.24	8.19	11.37	100.00	4705.59	569.16	114.48	580.56	.00	580.56	11.37
4846.24	8.19	11.37	100.00	4804.57	583.13	117.29	594.81	.00	594.81	11.37
4946.24	8.19	11.37	100.00	4903.55	597.10	120.10	609.06	.00	609.06	11.37
5046.24	8.19	11.37	100.00	5002.52	611.07	122.91	623.31	.00	623.31	11.37
5146.24	8.19	11.37	100.00	5101.50	625.05	125.72	637.56	.00	637.56	11.37
5246.24	8.19	11.37	100.00	5200.48	639.02	128.53	651.81	.00	651.81	11.37
5346.24	8.19	11.37	100.00	5299.46	652.99	131.34	666.07	.00	666.07	11.37
5446.24	8.19	11.37	100.00	5398.44	666.96	134.15	680.32	.00	680.32	11.37
5546.24	8.19	11.37	100.00	5497.42	680.93	136.96	694.57	.00	694.57	11.37
5646.24	8.19	11.37	100.00	5596.40	694.90	139.77	708.82	.00	708.82	11.37
TARGET										
5725.65	8.19	11.37	79.41	5675.00	706.00	142.00	720.14	.00	720.14	11.37

5773.51 8.19 11.37 49.51 5724

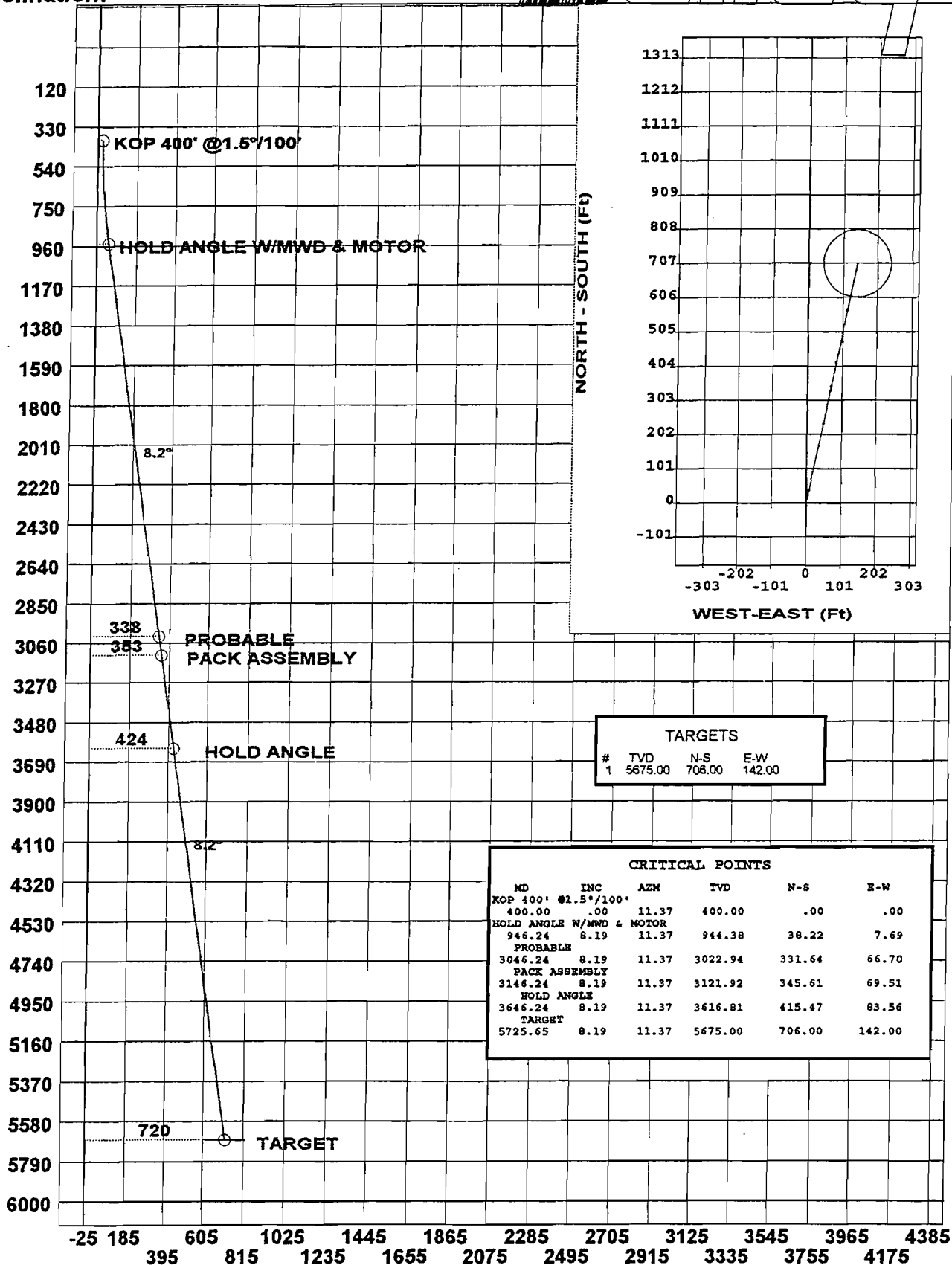
6025.55 8.19 11.37 151.55 5874 734.08 147.64

BHL = ~2008' FSL, ~1986' FWL

Company: CHEVRON USA
 Lease/Well: REDWASH #324
 State/Country: UTAH, UT
 Declination:



TRUE VERTICAL DEPTH (Ft)



TARGETS			
#	TVD	N-S	E-W
1	5675.00	706.00	142.00

CRITICAL POINTS					
MD	INC	AZM	TVD	N-S	E-W
KOP 400' @ 1.5°/100'					
400.00	.00	11.37	400.00	.00	.00
HOLD ANGLE W/MWD & MOTOR					
946.24	8.19	11.37	944.38	38.22	7.69
PROBABLE					
3046.24	8.19	11.37	3022.94	331.64	66.70
PACK ASSEMBLY					
3146.24	8.19	11.37	3121.92	345.61	69.51
HOLD ANGLE					
3646.24	8.19	11.37	3616.81	415.47	83.56
TARGET					
5725.65	8.19	11.37	5675.00	706.00	142.00

° -- KOP 400'

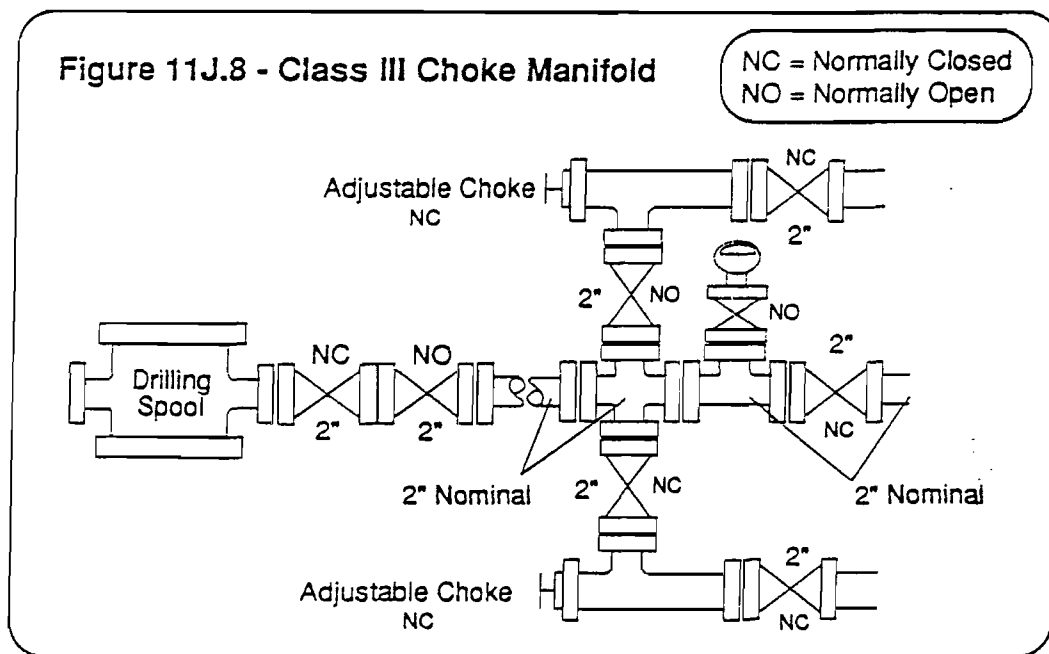
VERTICAL SECTION (Ft) @ 11.37°

CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.
5. Includes a bleed line which runs straight through the cross and is isolated by a steel gate valve.
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
7. Returns through the choke manifold must be divertible through a mud-gas separator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.
8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.

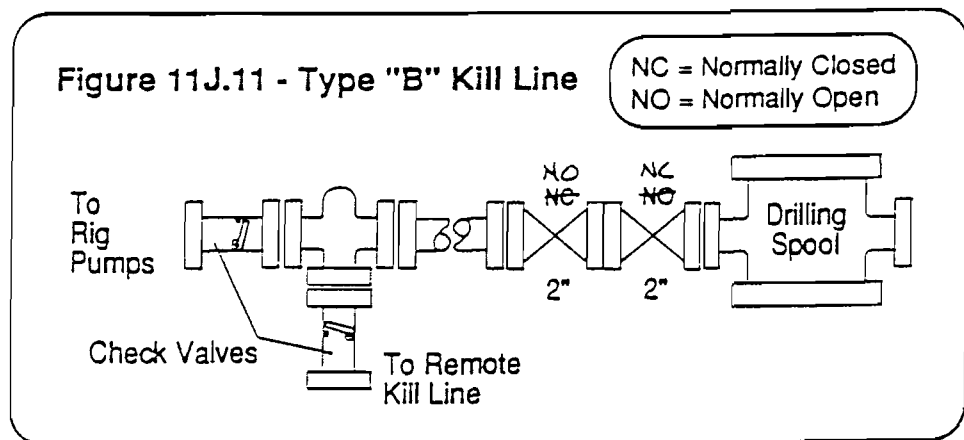


CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

D. TYPE "B" KILL LINE — CLASS III, IV , AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

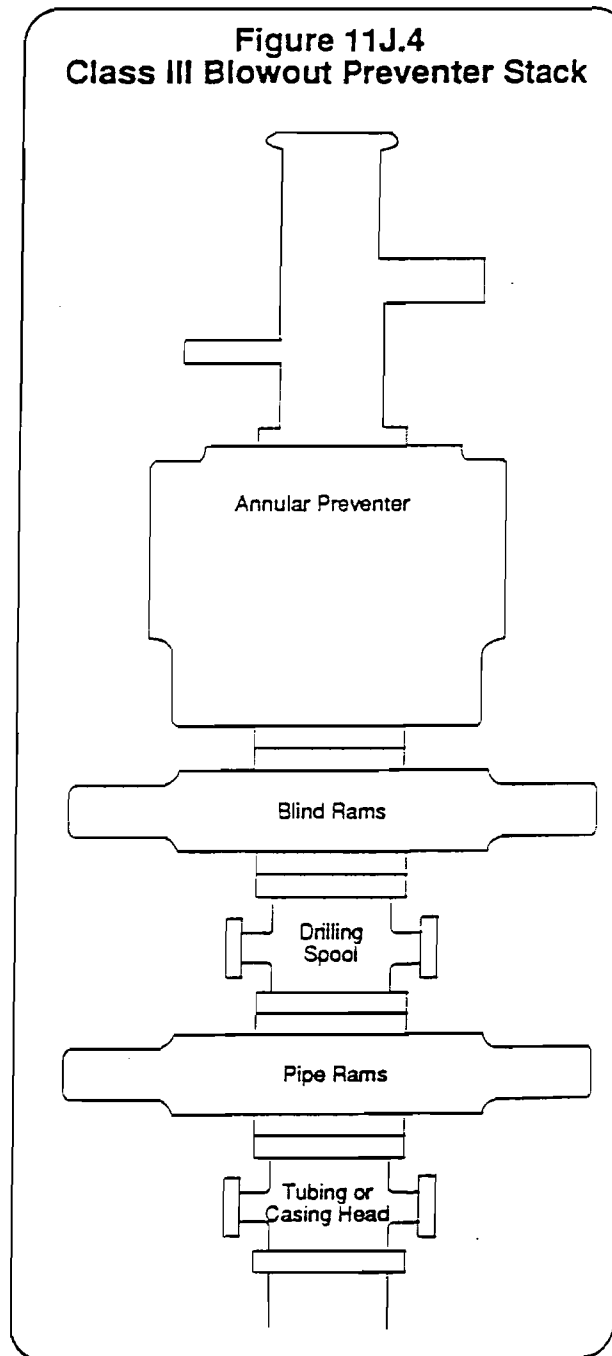
1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.
2. The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.
3. Two pump-in lines should be attached to the fluid cross. The **primary kill line** should be routed to the rig standpipe where it can be manifolded to the rig pumps. The **remote kill line** should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.
4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.
5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.
6. Any lines which are installed at the wellhead are designated as "**emergency kill lines**" and should only be used if the primary and remote kill lines are inoperable.



E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

**Figure 11J.4
Class III Blowout Preventer Stack**



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			7. UNIT AGREEMENT NAME RED WASH UNIT		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS-WELL <input type="checkbox"/> OTHER <u>Water Injection</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. FARM OR LEASE NAME, WELL NO. RWU #324 (23-16B)		
2. NAME OF OPERATOR CHEVRON USA PRODUCTION CO., INC.			9. API WELL NO.		
3. ADDRESS AND TELEPHONE NO. 11002 EAST 17500 SOUTH, VERNAL, UT 84078-8526 (435) 781-4300			10. FIELD AND POOL, OR WILDCAT RED WASH - GREEN RIVER		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1274' FSL, 1838' FWL, SESW At proposed prod. Zone 2008' FSL, 1986' FWL, NESW			11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 16-T7S-R23E, SLBM		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* ~20.1 MILES FROM VERNAL, UT			12. COUNTY OR PARISH UINTAH		13. STATE UTAH
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. Unit line, if any) 1274'		16. NO. OF ACRES IN LEASE 640		17. NO. OF ACRES ASSIGNED TO THIS WELL NA	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, approx. 1313' OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 6026' MD 5874' TVD		20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5422' GL			22. APPROX. DATE WORK WILL START* 10/1/98		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55	24#	360'	200 SX. CLASS G
7-7/8"	5-1/2" K-55	15.5#	6026'	250 SX. HI-FILL G, 380 SX. CLASS G

Chevron proposes to directionally drill a new Class II ER water injection well at the location above. A directional well is required due to topographical features at the proper quarter section center. Attachments:

Certified plat
Self certification statement
Thirteen point surface use plan
Eight point drilling plan

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Myra Buley for JTC* TITLE Red Wash Asset Team Leader DATE 3-11-98
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

United States Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 West
Vernal, UT 84078

SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Red Wash Unit #324 (23-16B), SESW-Sec.16-T7S-R23E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-81-34 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,


J. T. Conley
Red Wash Area Team Leader

DATE: 3-11-98

CHEVRON USA PRODUCTION CO.

**RED WASH UNIT #324 (23-16B)
1274' FSL & 1838' FWL
SESW-S16-T7S-R23E, SLB&M
UINTAH COUNTY, UTAH**

THIRTEEN POINT SURFACE USE PLAN

1. EXISTING ROADS:

- A. See Topographic Map A. There are no plans to change, alter or improve upon any existing state or county road.
- B. See Topographic Map A & B. Proposed access road begins approximately 21.3 miles from Vernal, UT.

2. ACCESS ROADS TO BE CONSTRUCTED OR RECONSTRUCTED:

- A. See Topographic Maps A and B. An access road approximately 0.1 mile in length is proposed.

3. LOCATION OF EXISTING WELLS WITHIN ONE MILE:

- A. See Topographic Map B.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES IF WELL IS PRODUCTIVE:

- A. See Topographic Map B.
- B. Injection monitoring and metering equipment will be installed on location. A buried injection flowline connected to existing facilities will be installed.
- C. Disturbed areas no longer needed for operations will be graded back to as near original state as possible. Drainage channels will be returned to original state and the areas will be reseeded as prescribed by the State of Utah.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Red Wash Unit fresh water supply, Application #A17791, Water Right Number 49-2153. Water will be trucked ~5 miles from existing Red Wash Unit facilities.

RWU #324 (23-16B) THIRTEEN POINT SURFACE USE PLAN

6. CONSTRUCTION MATERIALS:

- A. Native dirt and gravel will be used as construction materials.

7. METHODS FOR HANDLING WASTE DISPOSAL:

- A. A lined reserve pit will be constructed to contain excess drilling fluids.
- B. Excess reserve pit fluid will be disposed of via evaporation, percolation at pit abandonment or haul-off to a commercial disposal facility.
- C. Drill cuttings will be caught and settled in the reserve pit and buried when the pit is backfilled.
- D. Commercial service will provide portable toilets and haul-off to a commercial disposal facility.
- E. Trash will be stored in trash containers and hauled to commercial or municipal facility for disposal.
- F. It is not anticipated that any salt or chemicals will need to be disposed of. If required, disposal will be by commercial disposal facility.
- G. In the event fluids are produced, any oil will be transferred to existing facilities within Red Wash Unit and sold. Any water will be transferred to Red Wash Unit disposal facilities.
- H. Hazardous chemicals 10,000lb. of which will most likely be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the hazardous chemicals in quantities of 10,000 lb. or more will be associated with these operations.
- I. Extremely hazardous substances threshold quantities of which will be used, produced, stored, transported or disposed of in association with the proposed action of drilling, completing and producing this well: We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

8. ANCILLARY FACILITIES:

- A. None.

RWU #324 (23-16B) - THIRTEEN POINT SURFACE USE PLAN

9. WELLSITE LAYOUT:

- A. See Figures 1 and 2.
- B. Burn pit will not be lined.
- C. Access to the well pad will be as shown on Topographic Map B.

10. PLAN FOR RESTORATION OF SURFACE:

- A. All surface areas not required for production operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum. Any rock encountered in excavation will be disposed of beneath backfill to return surface to its present appearance and provide soil for seed growth.
- B. The topsoil will be evenly distributed over the disturbed areas. Reseeding will be performed as directed by the State of Utah.
- C. Pits that would present a hazard to wildlife or livestock will be backfilled when the rig is released and removed.
- D. Completion of the well is planned during 1998. Rehabilitation will commence following completion of the well. If the wellsite is to be abandoned, all disturbed areas will be recontoured to the natural contour as soon as possible.

11. SURFACE OWNERSHIP:

- A. The wellsite, access roads and production facilities are constructed on state lands. The operator shall contact the State of Utah at (801) 538-5277 between 24 and 48 hours prior to construction activities.

12. OTHER INFORMATION:

- A. The well is located in steep hilly terrain. Vegetation consists of sagebrush and natural grasses around the location. The soil is a poorly developed, semi-arid, thin topsoil layer over the Uintah Formation.
- B. Surface use activities other than the oil and gas well facilities consist of grazing.
- C. There are no occupied dwellings near the wellsite.
- D. Archeological clearance has been recommended per Senco-Phenix Report SPUT-207, dated 11/7/97.

RWU #324 (23-16B) - THIRTEEN POINT SURFACE USE PLAN

E. Paleontological clearance was recommended by Uinta Paleontological Associates, 11/12/97.

13. COMPANY REPRESENTATIVE:

Mr. J. T. Conley
11002 East 17500 South
Vernal, UT 84078
(435) 781-4301

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Chevron USA Production Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

3-11-98
Date

J. T. Conley for JTC
J. T. Conley
Red Wash Asset Team Leader

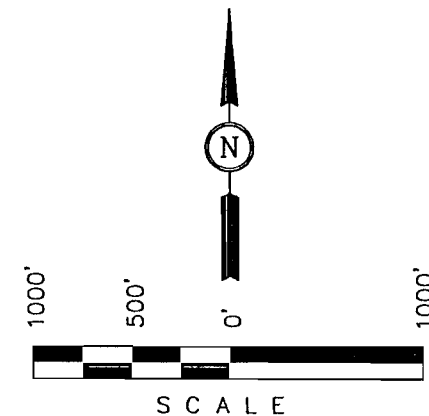
T7S, R23E, S.L.B.&M.

CHEVRON U.S.A., INC.

Well location, RED WASH #324 (23-16B),
located as shown in the SE 1/4 SW 1/4 of
Section 16, T7S, R23E, S.L.B.&M. Uintah
County, Utah

BASIS OF ELEVATION

SPOT ELEVATION IN THE SE 1/4 SE 1/4 OF SECTION
17, T7S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH,
QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD.
(TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY.
SAID ELEVATION IS MARKED AS BEING 5617 FEET.



CERTIFICATE

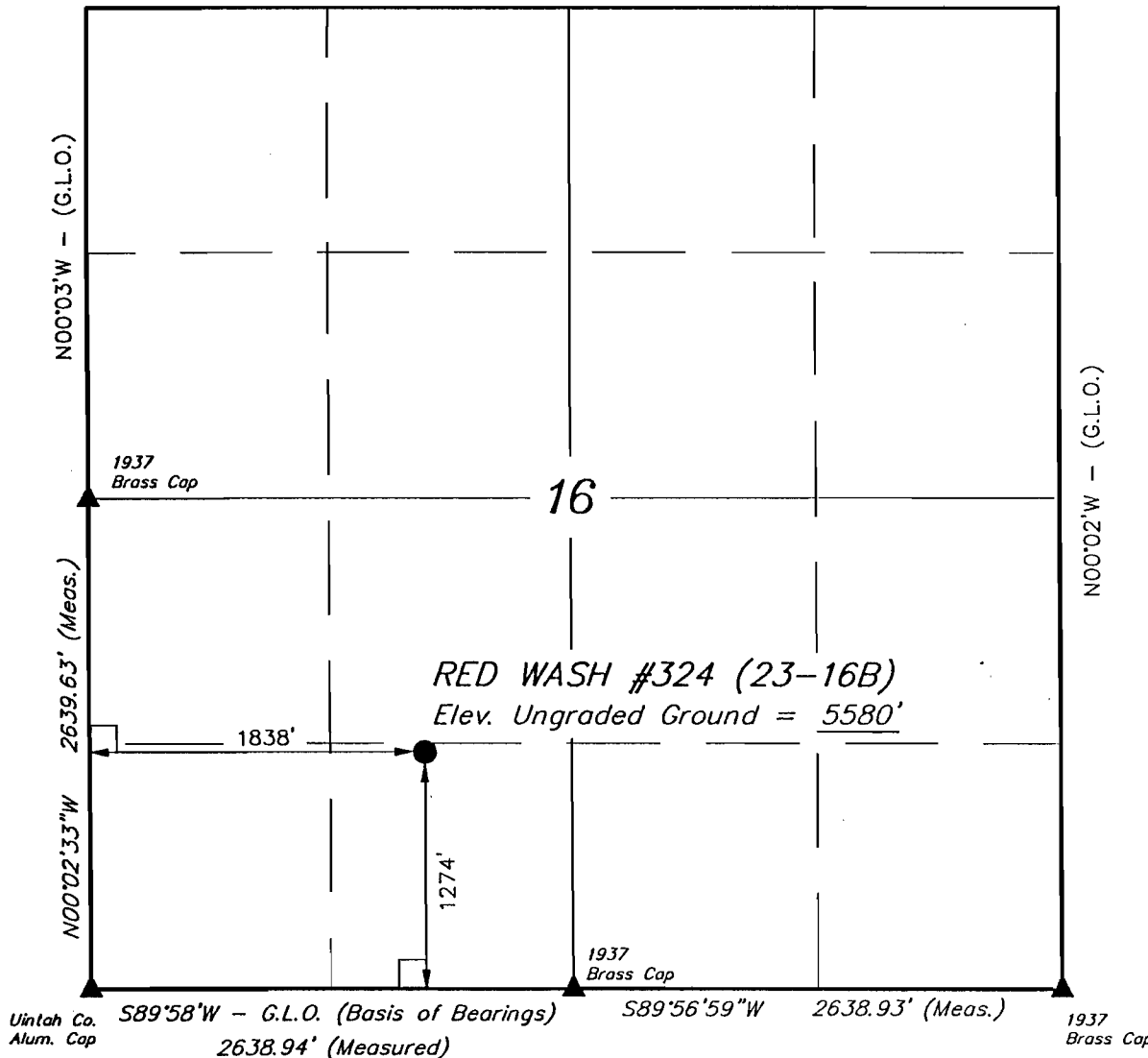
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF

Robert L. Fay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-17-97	DATE DRAWN: 10-20-97
PARTY D.K. D.H. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE CHEVRON U.S.A., INC.	

WEST - 80.00 (G.L.O.)



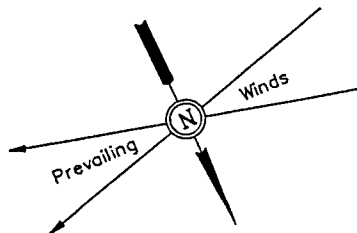
LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

CHEVRON USA, INC.

LOCATION LAYOUT FOR

RED WASH #324 (23-16B)
SECTION 16, T7S, R23E, S.L.B.&M.
1274' FSL 1838' FWL



SCALE: 1" = 50'
DATE: 10-20-97
Drawn By: D.COX

APPROX.
TOP OF
CUT SLOPE

NOTE:
FLARE PIT IS TO BE
LOCATED A MINIMUM
OF 100' FROM THE
WELL HEAD.



El. 574.8' C-9.3' (Btm. Pit)
El. 584.9' C-11.4'

Reserve Pit Backfill
& Spoils Stockpile

El. 554.6' F-10.9' (Btm. Pit)

El. 571.7' F-1.8'

F-11.6'
El. 561.9'

Topsoil
Stockpile

C-5.2'
El. 578.7'

C-33.5'
El. 607.0'

El. 560.7'
F-12.8'

Sta. 3+10

Round Corners
As Needed

APPROX.
TOE OF
FILL SLOPE

PIPE RACKS

C-6.6'
El. 580.1'

DOG HOUSE

Sta. 1+70

El. 561.7'
F-11.8'

50'

RESERVE
PIT 8'
DEEP

PIT
CAPACITY
WITH 2' OF
FREEBOARD
= 3,210
Bbls.

1 1/2:1 (TYP.)

Sta. 0+67

10' WIDE DIKE

40'

MUD TANKS

10'

145'

TRASH

TOOLS

FUEL

POWER

STORAGE TANK

HOPPER

MUD SHED

PUMP

WATER

RIG

TOILET

FUEL

TRAILER

DOG HOUSE

PIPE RACKS

CATWALK

DATA

ROUND CORNERS AS NEEDED

APPROX. TOE OF FILL SLOPE

APPROX. TOP OF CUT SLOPE

SCALE: 1" = 50'

DATE: 10-20-97

Drawn By: D.COX

NOTE: FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

Flare Pit

El. 574.8' C-9.3' (Btm. Pit)

El. 584.9' C-11.4'

El. 554.6' F-10.9' (Btm. Pit)

El. 571.7' F-1.8'

F-11.6' El. 561.9'

Topsoil Stockpile

C-5.2' El. 578.7'

C-33.5' El. 607.0'

El. 560.7' F-12.8'

Sta. 3+10

Round Corners As Needed

PIPE RACKS

C-6.6' El. 580.1'

DOG HOUSE

Sta. 1+70

El. 561.7' F-11.8'

50'

RESERVE PIT 8' DEEP

PIT CAPACITY WITH 2' OF FREEBOARD = 3,210 Bbls.

1 1/2:1 (TYP.)

Sta. 0+67

10' WIDE DIKE

40'

MUD TANKS

10'

145'

TRASH

TOOLS

FUEL

POWER

STORAGE TANK

HOPPER

MUD SHED

PUMP

WATER

RIG

TOILET

FUEL

TRAILER

DOG HOUSE

PIPE RACKS

CATWALK

DATA

ROUND CORNERS AS NEEDED

APPROX. TOE OF FILL SLOPE

APPROX. TOP OF CUT SLOPE

SCALE: 1" = 50'

DATE: 10-20-97

Drawn By: D.COX

NOTE: FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

Flare Pit

El. 574.8' C-9.3' (Btm. Pit)

El. 584.9' C-11.4'

El. 554.6' F-10.9' (Btm. Pit)

El. 571.7' F-1.8'

F-11.6' El. 561.9'

Topsoil Stockpile

C-5.2' El. 578.7'

C-33.5' El. 607.0'

El. 560.7' F-12.8'

Sta. 3+10

Round Corners As Needed

PIPE RACKS

C-6.6' El. 580.1'

DOG HOUSE

Sta. 1+70

El. 561.7' F-11.8'

50'

RESERVE PIT 8' DEEP

PIT CAPACITY WITH 2' OF FREEBOARD = 3,210 Bbls.

1 1/2:1 (TYP.)

Sta. 0+67

10' WIDE DIKE

40'

MUD TANKS

10'

145'

TRASH

TOOLS

FUEL

POWER

STORAGE TANK

HOPPER

MUD SHED

PUMP

WATER

RIG

TOILET

FUEL

TRAILER

DOG HOUSE

PIPE RACKS

CATWALK

DATA

ROUND CORNERS AS NEEDED

APPROX. TOE OF FILL SLOPE

APPROX. TOP OF CUT SLOPE

SCALE: 1" = 50'

DATE: 10-20-97

Drawn By: D.COX

NOTE: FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

Flare Pit

El. 574.8' C-9.3' (Btm. Pit)

El. 584.9' C-11.4'

El. 554.6' F-10.9' (Btm. Pit)

El. 571.7' F-1.8'

F-11.6' El. 561.9'

Topsoil Stockpile

C-5.2' El. 578.7'

C-33.5' El. 607.0'

El. 560.7' F-12.8'

Sta. 3+10

Round Corners As Needed

PIPE RACKS

C-6.6' El. 580.1'

DOG HOUSE

Sta. 1+70

El. 561.7' F-11.8'

50'

RESERVE PIT 8' DEEP

PIT CAPACITY WITH 2' OF FREEBOARD = 3,210 Bbls.

1 1/2:1 (TYP.)

Sta. 0+67

10' WIDE DIKE

40'

MUD TANKS

10'

145'

TRASH

TOOLS

FUEL

POWER

STORAGE TANK

HOPPER

MUD SHED

PUMP

WATER

RIG

TOILET

FUEL

TRAILER

DOG HOUSE

PIPE RACKS

CATWALK

DATA

ROUND CORNERS AS NEEDED

APPROX. TOE OF FILL SLOPE

APPROX. TOP OF CUT SLOPE

SCALE: 1" = 50'

DATE: 10-20-97

Drawn By: D.COX

NOTE: FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

Flare Pit

El. 574.8' C-9.3' (Btm. Pit)

El. 584.9' C-11.4'

El. 554.6' F-10.9' (Btm. Pit)

El. 571.7' F-1.8'

F-11.6' El. 561.9'

Topsoil Stockpile

C-5.2' El. 578.7'

C-33.5' El. 607.0'

El. 560.7' F-12.8'

Sta. 3+10

Round Corners As Needed

PIPE RACKS

C-6.6' El. 580.1'

DOG HOUSE

Sta. 1+70

El. 561.7' F-11.8'

50'

RESERVE PIT 8' DEEP

PIT CAPACITY WITH 2' OF FREEBOARD = 3,210 Bbls.

1 1/2:1 (TYP.)

Sta. 0+67

10' WIDE DIKE

40'

MUD TANKS

10'

145'

TRASH

TOOLS

FUEL

POWER

STORAGE TANK

HOPPER

MUD SHED

PUMP

WATER

RIG

TOILET

FUEL

TRAILER

DOG HOUSE

PIPE RACKS

CATWALK

DATA

ROUND CORNERS AS NEEDED

APPROX. TOE OF FILL SLOPE

APPROX. TOP OF CUT SLOPE

SCALE: 1" = 50'

DATE: 10-20-97

Drawn By: D.COX

NOTE: FLARE PIT IS TO BE LOCATED A MINIMUM OF 100' FROM THE WELL HEAD.

Flare Pit

El. 574.8' C-9.3' (Btm. Pit)

El. 584.9' C-11.4'

El. 554.6' F-10.9' (Btm. Pit)

CHEVRON USA., INC.

TYPICAL CROSS SECTIONS FOR
RED WASH #324 (23-16B)
SECTION 16, T7S, R23E, S.L.B.&M.
1274' FSL 1838' FWL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 10-20-97
Drawn By: D.COX

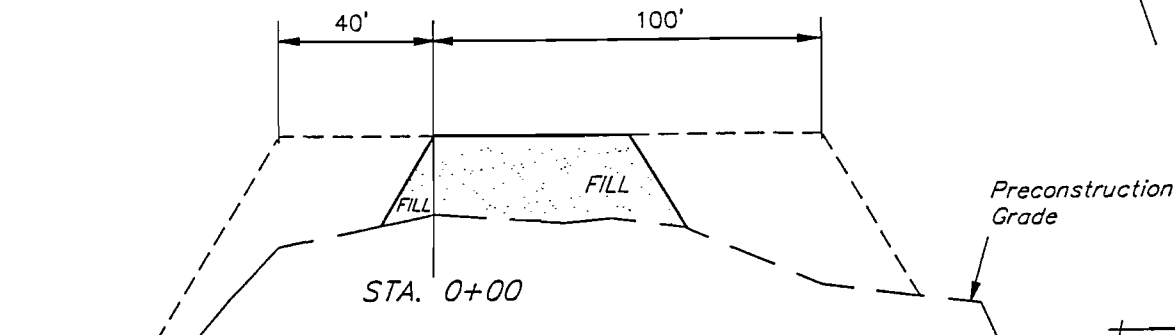
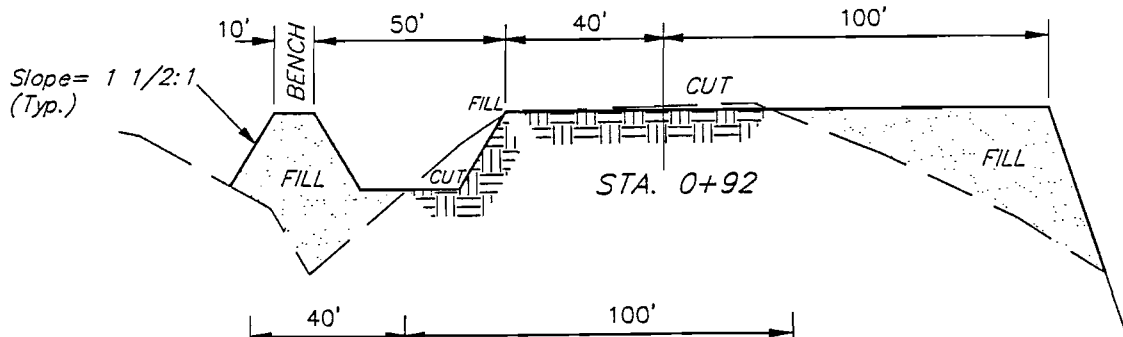
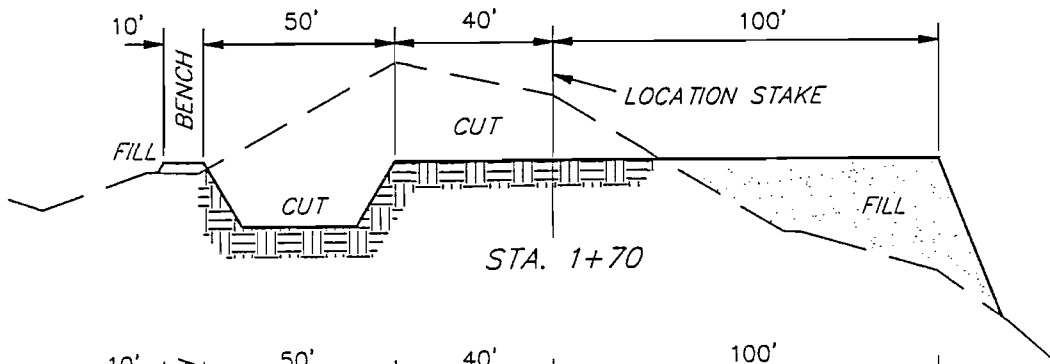
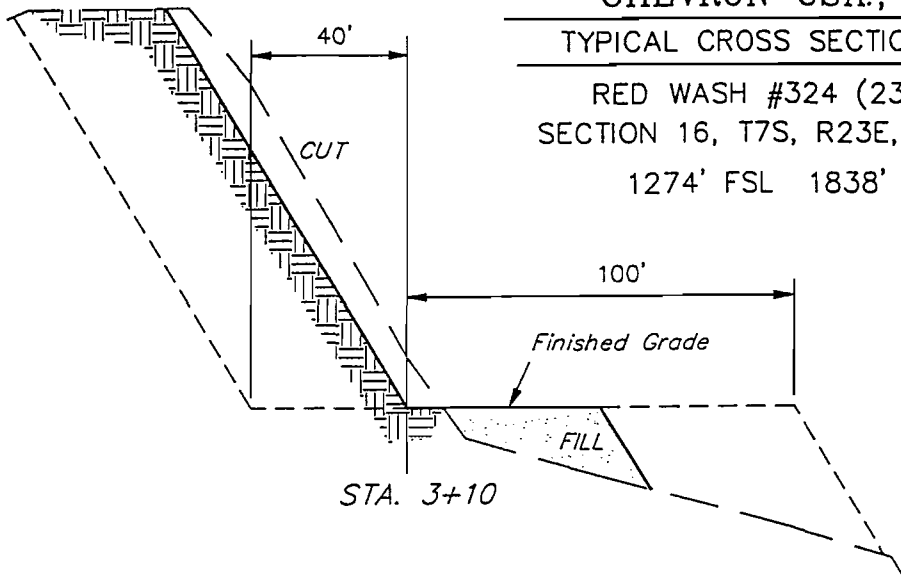


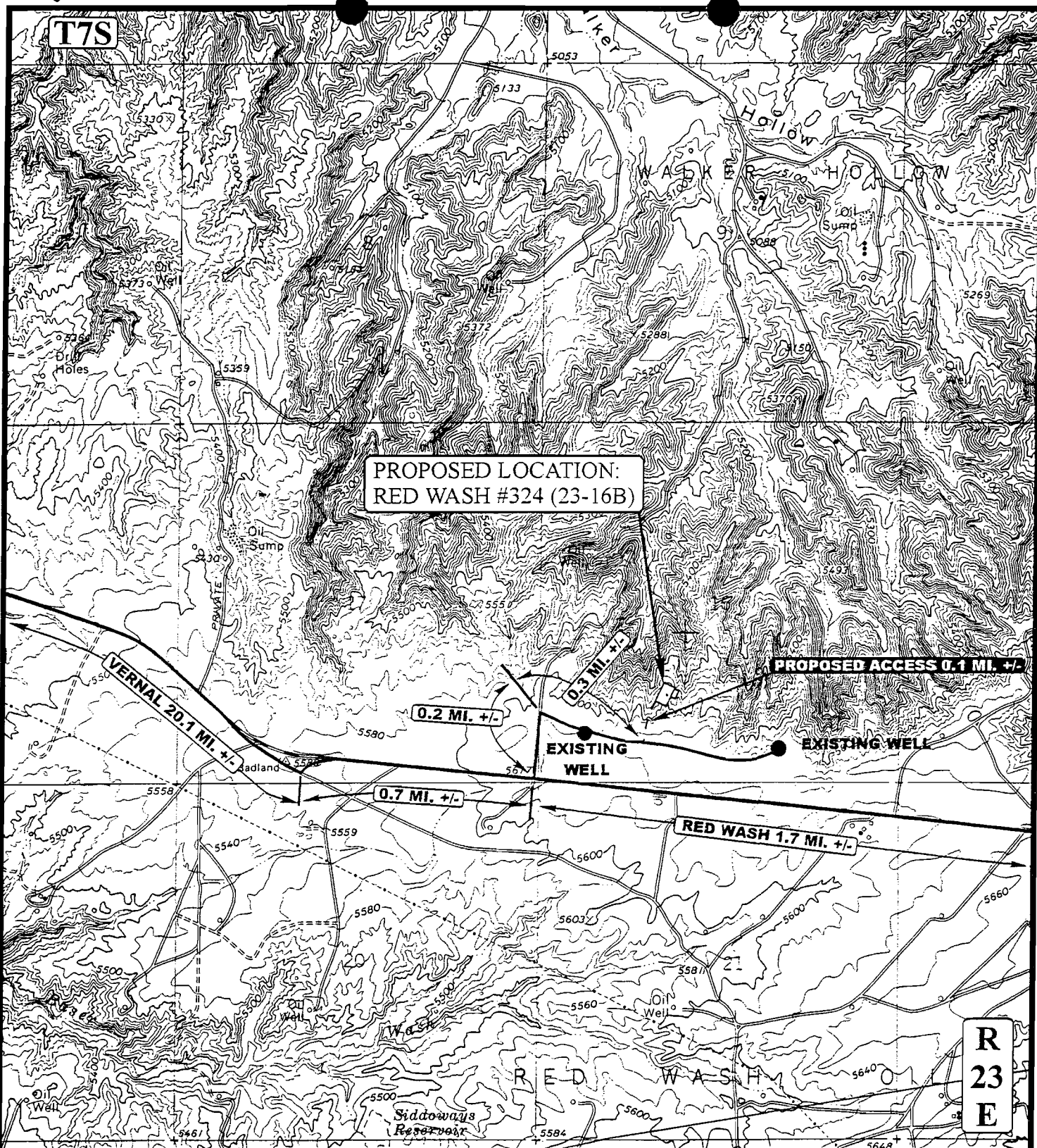
FIGURE #2

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 840 Cu. Yds.
Remaining Location = 9,330 Cu. Yds.
TOTAL CUT = 10,170 CU.YDS.
FILL = 8,400 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 1,340 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 1,340 Cu. Yds.
EXCESS CUT MATERIAL = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



LEGEND:

- - - - - PROPOSED ACCESS ROAD
 ————— EXISTING ROAD

N



CHEVRON U.S.A., INC.

RED WASH #324 (23-16B)

SECTION 16, T7S, R23E, 6th P.M.

1274' FSL 1838' FWL



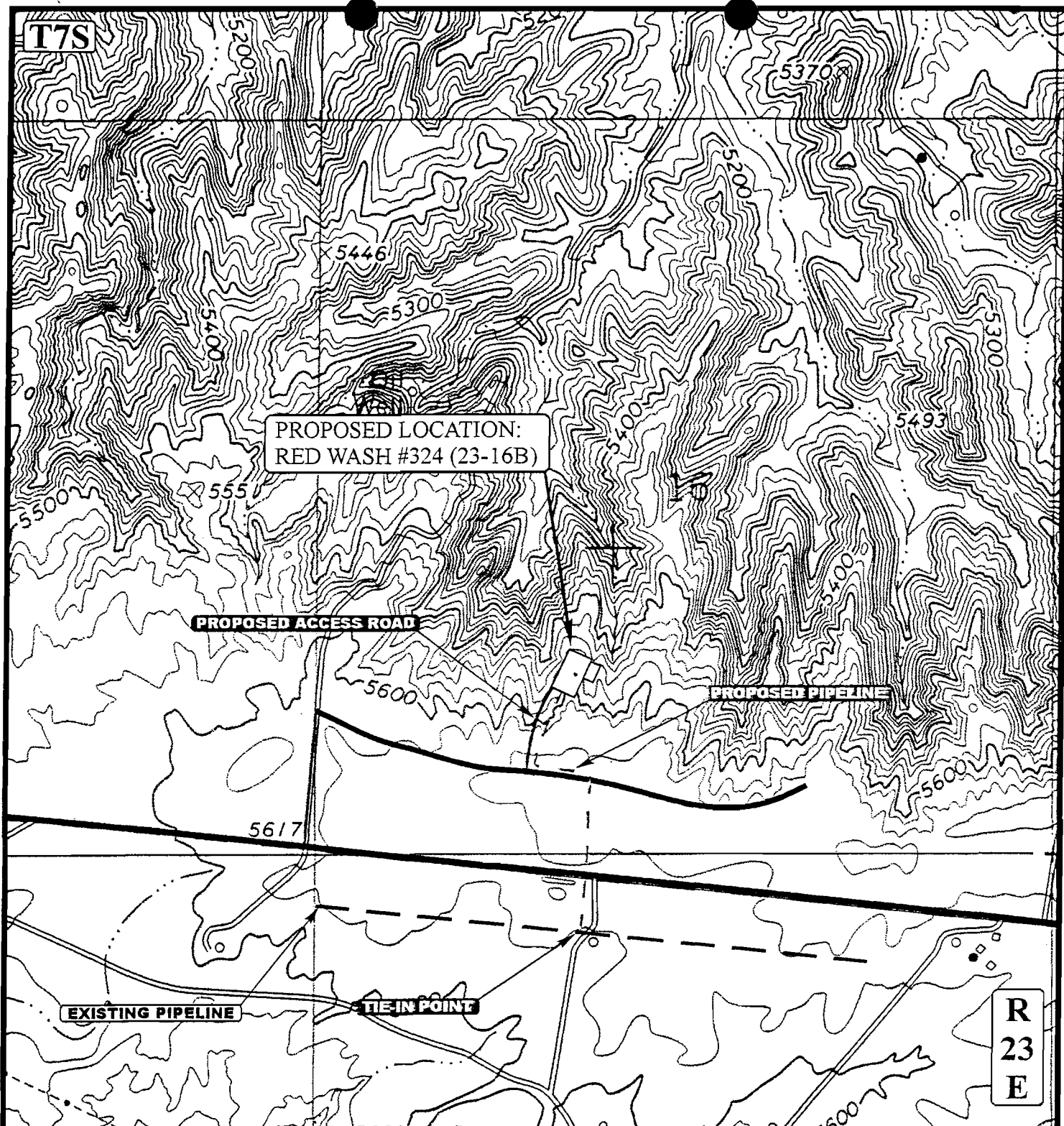
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (801) 789-1017 * FAX (801) 789-1813
 Email: uels@easlink.com

TOPOGRAPHIC
 MAP

10 27 97
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 2100' +/-

LEGEND:

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

N



CHEVRON U.S.A., INC.

RED WASH #324 (23-16B)
SECTION 16, T7S, R23E, 6th P.M.
1274' FSL 1838' FWL



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

TOPOGRAPHIC
MAP

10 27 97
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00

C
TOPO

CHEVRON USA PRODUCTION CO.

**RED WASH UNIT #324
1274' FSL, 1838' FWL
SESW-SEC. 16-T7S-R23E
UINTAH COUNTY, UTAH**

EIGHT POINT DRILLING PLAN

1. ESTIMATED FORMATION TOPS:

Uinta	Surface
Green River	~3148' MD, ~3124' TVD'
Oil Shale	~3865' MD, ~3834' TVD
Green River "F"	~4051' MD, ~4020' TVD

2. ESTIMATED DEPTHS OF TOP AND BOTTOM OF WATER, OIL, GAS, OR OTHER MINERAL BEARING FORMATIONS AND PLAN FOR PROTECTION:

Deepest Fresh Water: ~3148' MD, top of Green River Formation. The Green River Formation is classified by the EPA as an exempt aquifer in the vicinity of the proposed well.

Oil Shale: Oil shale is expected between the depths of ~3865-4300' MD, ~3834-4264' TVD.

Oil and Gas: Gas possible in the Uinta Formation. Oil and gas expected in intervals of the Green River Formation from ~4051' MD to TD.

Protection of oil, gas, water, or other mineral bearing formations: Protection shall be accomplished by cementing surface casing and production casing back to the surface or to depths sufficient to isolate required formations. Please refer to casing and cement information for protection plans.

3. PRESSURE CONTROL EQUIPMENT:

For drilling surface hole to 360': No BOP equipment required.

For drilling through 8.625" surface casing to TD:

Maximum anticipated surface pressure is <1300 psi.

RWU #324(23-16B) - EIGHT POINT DRILLING PLAN

Pressure control equipment shall be in accordance with BLM minimum standards for 2000 psi equipment.

A casing head with an 11", 3000 psi flange will be screwed or welded onto the 8.625" surface casing.

BOP stack will consist of a double gate and annular preventer. The double gate will be equipped with pipe rams on bottom and blind rams on top. The choke and kill lines will be connected to outlets between the bottom and top rams, utilizing either the ram body outlet or a drilling spool with side outlets. The BOP stack will be 9" or 11" bore, 2000 or 3000 psi working pressure. The choke and kill lines will be 2" or 3" bore, 2000 or 3000 psi working pressure. Please refer to attached schematics.

A rotating head may be used while drilling below surface casing for control of gas cut mud.

Test procedure and frequency shall be in accordance with BLM minimum standards for 2000 psi equipment.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Casing	Weight	Grade	Conn.	Stage	Centralizers
8.625"	24.0 #/ft.	K-55	STC	No	*
5.5"	15.5 #/ft.	K-55	LTC	No	As Needed

* Centralizers will be placed 10' above shoe, on 1st and 3rd collars.

Casing	Cement
8.625"	Oilfield type cement circulated in place. Class "G" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Excess to to surface with 238 cf (200 sx) calculated. Tail plug used. Allowed to set under pressure.

RWU #324(23-16B) - EIGHT POINT DRILLING PLAN

5.500"

Lead/Tail oilfield type cement circulated in place.

Tail slurry: Class G + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Fill to ~3700' (~350' above top of Lower Green River).

Lead slurry: Class "G" + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

Drilling Equipment:

Drilling of the surface hole will be with a small rotary rig equipped to use air, fluid or a combination of both. Hole size will be in the 12 1/4" - 11" range at the discretion of the drilling contractor.

It is planned to establish the desired directional azimuth and inclination starting at ~400', as detailed in the directional calculations enclosed. Drilling below surface casing will be with conventional rotary equipment utilizing fresh water mud. Hole size will be 7 7/8".

A rotating head may be used while drilling below surface casing for control of gas cut mud.

5. CIRCULATING MEDIUM, MUD TYPE, MINIMUM QUANTITIES OF WEIGHT MATERIAL, AND MONITORING EQUIPMENT:

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is ± 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

RWU #324(23-16B) - EIGHT POINT DRILLING PLAN

6. ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING, AND CORING:

Logging: (Base of surface casing to TD)

Mud logging - 4500' to TD
GR-SP-Induction
Neutron-Density
MRIL

Coring:

None planned.

Testing:

None planned.

7. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

Maximum expected BHP:	~2545 psi.
Maximum expected BHT:	~140° F.

No other abnormal hazards are anticipated and no contingency plans are required.

8. OTHER:

None.



Job Number:
Company: CHEVRON USA
Lease/Well: REDWASH #324
Location: SEC. 16, T7S-R23E
Rig Name:
RKB:
G.L. or M.S.L.:

State/Country: UINTAH, UT
Declination:
Grid:
File name: C:\SURVEY\RWASH324.SVY
Date/Time: 09-Feb-98 / 16:37
Curve Name: KOP 400'

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 11.37

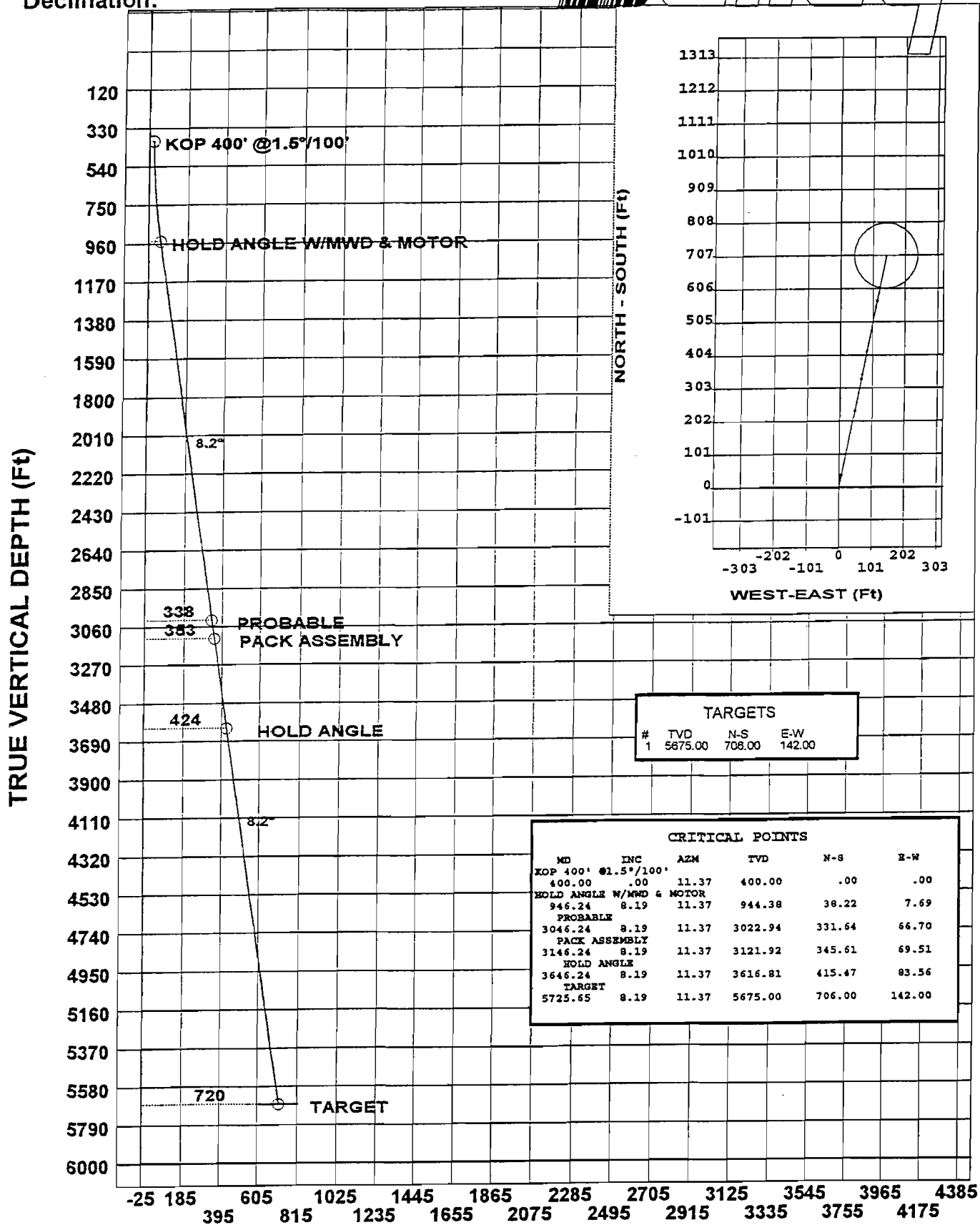
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
KOP 400' @1.5"/100'										
400.00	.00	11.37		400.00	.00	.00	.00	.00	.00	.00
460.00	.90	11.37	60.00	460.00	.46	.09	.47	1.50	.47	11.37
520.00	1.80	11.37	60.00	519.98	1.85	.37	1.88	1.50	1.88	11.37
580.00	2.70	11.37	60.00	579.93	4.16	.84	4.24	1.50	4.24	11.37
640.00	3.60	11.37	60.00	639.84	7.39	1.49	7.54	1.50	7.54	11.37
700.00	4.50	11.37	60.00	699.69	11.54	2.32	11.77	1.50	11.77	11.37
760.00	5.40	11.37	60.00	759.47	16.62	3.34	16.95	1.50	16.95	11.37
820.00	6.30	11.37	60.00	819.15	22.61	4.55	23.07	1.50	23.07	11.37
880.00	7.20	11.37	60.00	878.74	29.53	5.94	30.12	1.50	30.12	11.37
940.00	8.10	11.37	60.00	938.20	37.36	7.51	38.11	1.50	38.11	11.37
HOLD ANGLE										
946.24	8.19	11.37	6.24	944.38	38.22	7.69	38.99	1.50	38.99	11.37
1046.24	8.19	11.37	100.00	1043.35	52.20	10.50	53.24	.00	53.24	11.37
1146.24	8.19	11.37	100.00	1142.33	66.17	13.31	67.49	.00	67.49	11.37
1246.24	8.19	11.37	100.00	1241.31	80.14	16.12	81.75	.00	81.75	11.37
1346.24	8.19	11.37	100.00	1340.29	94.11	18.93	96.00	.00	96.00	11.37
1446.24	8.19	11.37	100.00	1439.27	108.08	21.74	110.25	.00	110.25	11.37
1546.24	8.19	11.37	100.00	1538.25	122.06	24.55	124.50	.00	124.50	11.37
1646.24	8.19	11.37	100.00	1637.23	136.03	27.36	138.75	.00	138.75	11.37
1746.24	8.19	11.37	100.00	1736.21	150.00	30.17	153.00	.00	153.00	11.37
1846.24	8.19	11.37	100.00	1835.19	163.97	32.98	167.26	.00	167.26	11.37
1946.24	8.19	11.37	100.00	1934.17	177.94	35.79	181.51	.00	181.51	11.37
2046.24	8.19	11.37	100.00	2033.15	191.92	38.60	195.76	.00	195.76	11.37
2146.24	8.19	11.37	100.00	2132.13	205.89	41.41	210.01	.00	210.01	11.37
2246.24	8.19	11.37	100.00	2231.11	219.86	44.22	224.26	.00	224.26	11.37
2346.24	8.19	11.37	100.00	2330.08	233.83	47.03	238.51	.00	238.51	11.37
2446.24	8.19	11.37	100.00	2429.06	247.80	49.84	252.77	.00	252.77	11.37
2546.24	8.19	11.37	100.00	2528.04	261.78	52.65	267.02	.00	267.02	11.37
2646.24	8.19	11.37	100.00	2627.02	275.75	55.46	281.27	.00	281.27	11.37

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100	CLOSURE Distance FT	Direction Deg
2746.24	8.19	11.37	100.00	2726.00	289.72	58.27	295.52	.00	295.52	11.37
2846.24	8.19	11.37	100.00	2824.98	303.69	61.08	309.77	.00	309.77	11.37
2946.24	8.19	11.37	100.00	2923.96	317.66	63.89	324.02	.00	324.02	11.37
PROBABLE PACK ASSEMBLY										
3046.24	8.19	11.37	100.00	3022.94	331.64	66.70	338.28	.00	338.28	11.37
3146.24	8.19	11.37	100.00	3121.92	345.61	69.51	352.53	.00	352.53	11.37
3246.24	8.19	11.37	100.00	3220.90	359.58	72.32	366.78	.00	366.78	11.37
HOLD ANGLE										
3346.24	8.19	11.37	100.00	3319.88	373.55	75.13	381.03	.00	381.03	11.37
3446.24	8.19	11.37	100.00	3418.86	387.52	77.94	395.28	.00	395.28	11.37
3546.24	8.19	11.37	100.00	3517.84	401.49	80.75	409.54	.00	409.54	11.37
3646.24	8.19	11.37	100.00	3616.81	415.47	83.56	423.79	.00	423.79	11.37
3746.24	8.19	11.37	100.00	3715.79	429.44	86.37	438.04	.00	438.04	11.37
3846.24	8.19	11.37	100.00	3814.77	443.41	89.18	452.29	.00	452.29	11.37
3946.24	8.19	11.37	100.00	3913.75	457.38	91.99	466.54	.00	466.54	11.37
4046.24	8.19	11.37	100.00	4012.73	471.35	94.80	480.79	.00	480.79	11.37
4146.24	8.19	11.37	100.00	4111.71	485.33	97.62	495.05	.00	495.05	11.37
4246.24	8.19	11.37	100.00	4210.69	499.30	100.43	509.30	.00	509.30	11.37
4346.24	8.19	11.37	100.00	4309.67	513.27	103.24	523.55	.00	523.55	11.37
4446.24	8.19	11.37	100.00	4408.65	527.24	106.05	537.80	.00	537.80	11.37
4546.24	8.19	11.37	100.00	4507.63	541.21	108.86	552.05	.00	552.05	11.37
4646.24	8.19	11.37	100.00	4606.61	555.19	111.67	566.30	.00	566.30	11.37
4746.24	8.19	11.37	100.00	4705.59	569.16	114.48	580.56	.00	580.56	11.37
4846.24	8.19	11.37	100.00	4804.57	583.13	117.29	594.81	.00	594.81	11.37
4946.24	8.19	11.37	100.00	4903.55	597.10	120.10	609.06	.00	609.06	11.37
5046.24	8.19	11.37	100.00	5002.52	611.07	122.91	623.31	.00	623.31	11.37
5146.24	8.19	11.37	100.00	5101.50	625.05	125.72	637.56	.00	637.56	11.37
5246.24	8.19	11.37	100.00	5200.48	639.02	128.53	651.81	.00	651.81	11.37
5346.24	8.19	11.37	100.00	5299.46	652.99	131.34	666.07	.00	666.07	11.37
5446.24	8.19	11.37	100.00	5398.44	666.96	134.15	680.32	.00	680.32	11.37
5546.24	8.19	11.37	100.00	5497.42	680.93	136.96	694.57	.00	694.57	11.37
5646.24	8.19	11.37	100.00	5596.40	694.90	139.77	708.82	.00	708.82	11.37
TARGET										
5725.65	8.19	11.37	79.41	5675.00	706.00	142.00	720.14	.00	720.14	11.37

5773.51 8.19 11.37 49.51 5724
6025.55 8.19 11.37 151.55 5874 734.08 147.64

BHL = ~2008' FSL, ~1986' FWL

Company: CHEVRON USA
Lease/Well: REDWASH #324
State/Country: UINTAH, UT
Declination:



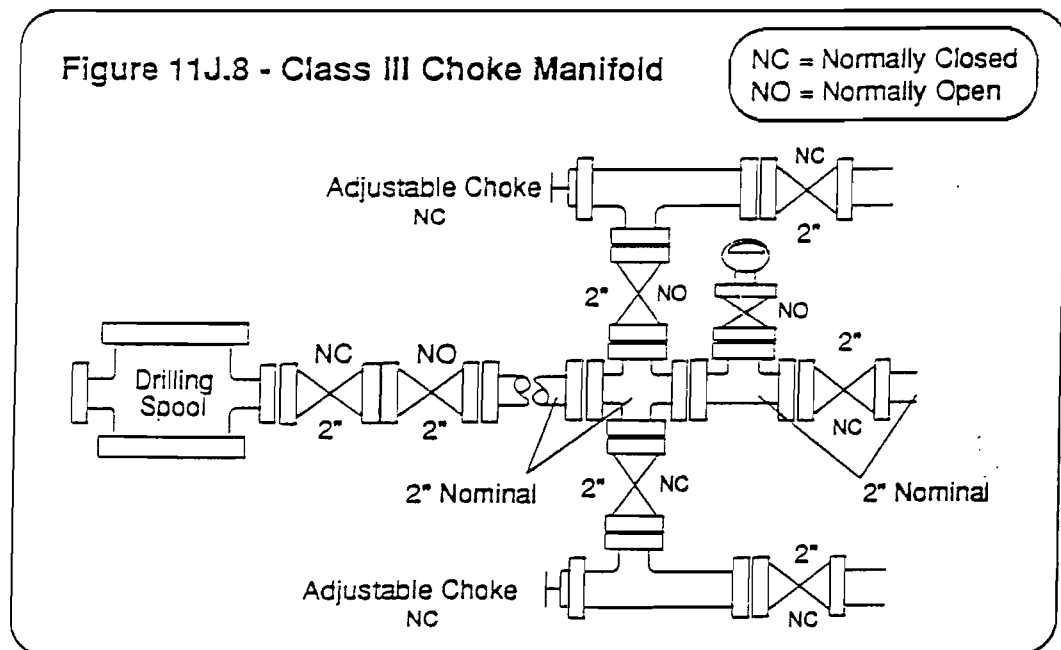
° - KOP 400'

CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

D. CLASS III CHOKE MANIFOLD

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
3. Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke line valve may be remotely controlled (HCR).
4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.
5. Includes a bleed line which runs straight through the cross and is isolated by a steel gate valve.
6. Includes a valve isolated pressure gauge suitable for drilling service which can display the casing pressure within view of the choke operator.
7. Returns through the choke manifold must be divertible through a mud-gas separator and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.
8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.

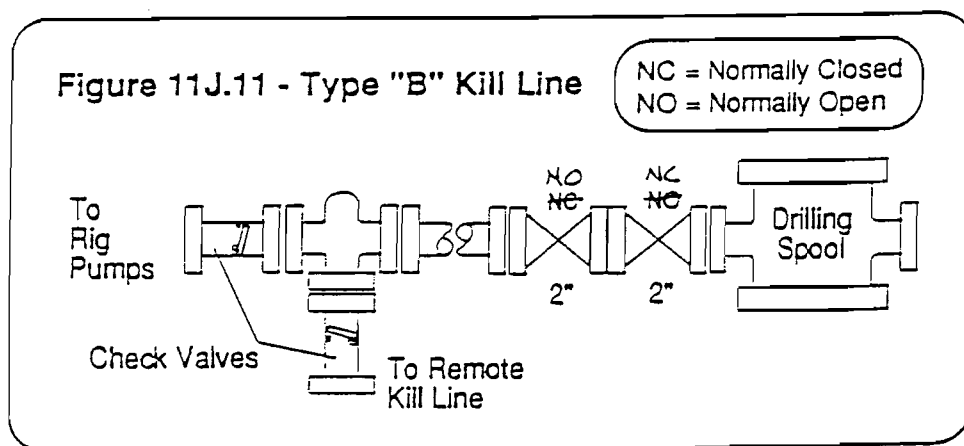


CHEVRON DRILLING REFERENCE SERIES
VOLUME ELEVEN
WELL CONTROL AND BLOWOUT PREVENTION

D. TYPE "B" KILL LINE — CLASS III, IV, AND V WELLS

The type B kill line described below in Figure 11J.11 is the minimum recommended hookup for installation on all Class III, Class IV and Class V wells. Specific design features of the type B kill line include:

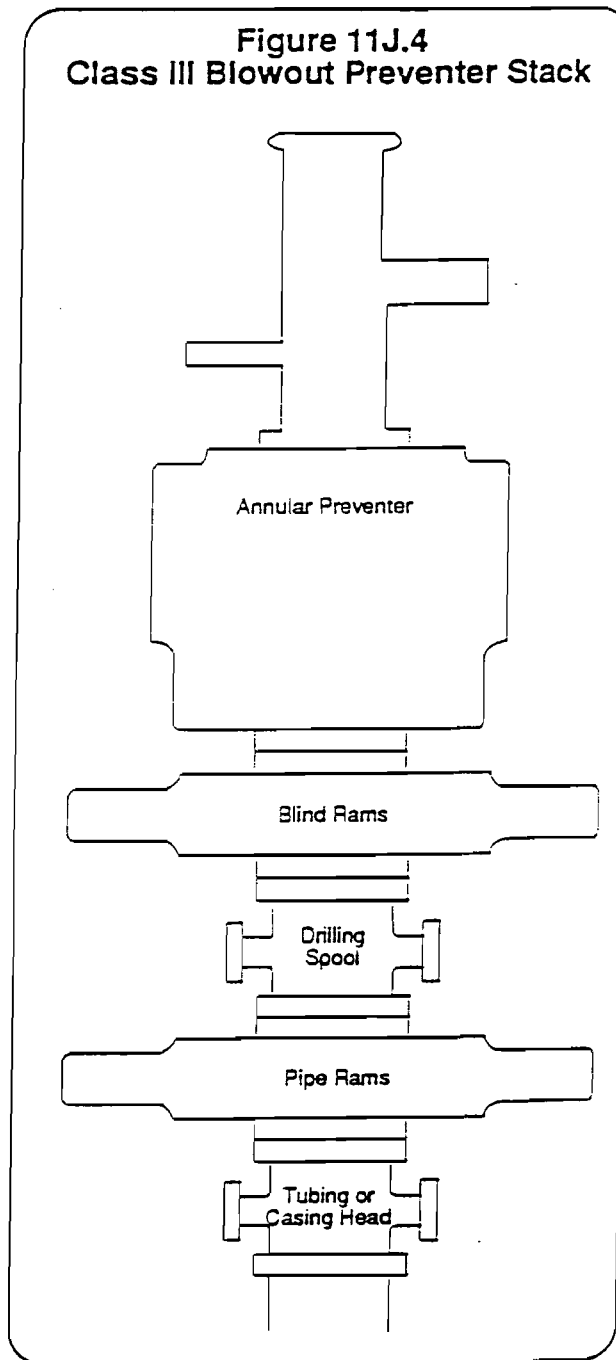
1. The preferred kill line connection to the well is at the drilling spool, however, a preventer side outlet may be used when space restrictions exclude the use of a drilling spool. In all cases, the kill line must be installed below the uppermost blind rams so the well can be pumped into with no pipe in the hole.
2. The arrangement includes two - 2" (nominal) gate valves installed at the drilling spool and an upstream fluid cross. The outside valve may be hydraulically remote controlled.
3. Two pump-in lines should be attached to the fluid cross. The **primary kill line** should be routed to the rig standpipe where it can be manifolded to the rig pumps. The **remote kill line** should be run to a safe location away from the rig or to the rig cementing unit. The remote kill line should have a loose end connection for rigging-up a high pressure pumping unit.
4. Both the primary kill line and the remote kill line must include a 2" check valve which is in working condition while drilling. If a check valve is crippled for testing purposes, the flapper or ball must be re-installed and tested before drilling resumes.
5. The primary kill line must include a pressure gauge which can display the pump-in pressure on the rig floor.
6. Any lines which are installed at the wellhead are designated as "emergency kill lines" and should only be used if the primary and remote kill lines are inoperable.



E. CLASS III BLOWOUT PREVENTER STACK:

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2". All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram preventer should only be used when space limitations make it necessary to remove the drilling spool. In these instances, the choke manifold should be connected to a flanged outlet between the preventer rams only. In this hookup, the pipe rams are considered master rams only, and cannot be used to routinely circulate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

Figure 11J.4
Class III Blowout Preventer Stack



RWU #324 (23-16B)

PLANNED COMPLETION PROCEDURE:

1. MIRU. NU BOPE. PU WORKSTRING AND CLEAN OUT TO FLOAT COLLAR WITH BIT AND SCRAPER.
2. PRESSURE TEST CASING TO 2000 PSI.
3. RUN GR-CBL-CCL FROM PBTD TO SURFACE OR 200' ABOVE CEMENT TOP IF CIRCULATION WAS LOST DURING PRIMARY CEMENTING JOB.
4. PERFORATE PAY INTERVALS AS DIRECTED BY DEVELOPMENT GEOLOGY USING 4 JSPF, 90° PHASING, MAXIMUM AVAILABLE CHARGE VIA HSC. DEPTHS WILL BE CORRELATED WITH OPENHOLE INDUCTION ELECTRICAL LOG.
5. TIH WITH TOOLS, ISOLATE, BREAKDOWN AND ESTABLISH PUMP IN RATES FOR EACH PERFORATED INTERVAL. NUMBER OF TOOL SETTINGS WILL DEPEND ON PERFORATION SPACING.
6. HYDROTEST IN HOLE WITH 2-PACKER/2-MANDREL SIE ON 2-3/8" OR 2-7/8" J-55 TUBING. EQUIPMENT SPACING WILL DEPEND ON ACTUAL PERFORATED INTERVALS. IF BLANKS BETWEEN PERFORATED INTERVALS ARE IMPRACTICAL, A SINGLE PACKER ASSEMBLY WILL BE INSTALLED.
7. CIRCULATE PACKER FLUID AND DIESEL FREEZE BLANKET. SET PACKERS, ND BOPE AND NU WH.
8. CONDUCT MIT PER EPA GUIDELINES (1000 PSI WITH LESS THAN 10% LOSS IN 30 MIN.). RECORD RESULTS ON CHART.
9. RDMO.
10. RU WIRELINE. PULL BLANKS FROM SIDEPOCKET MANDRELS AND INSTALL FULLY OPEN POCKET PROTECTORS. RUN PRESSURE BOMB TO MIDDLE OF PERFORATED INTERVAL AND RECORD STATIC RESERVOIR PRESSURE.

ATTACHMENT M

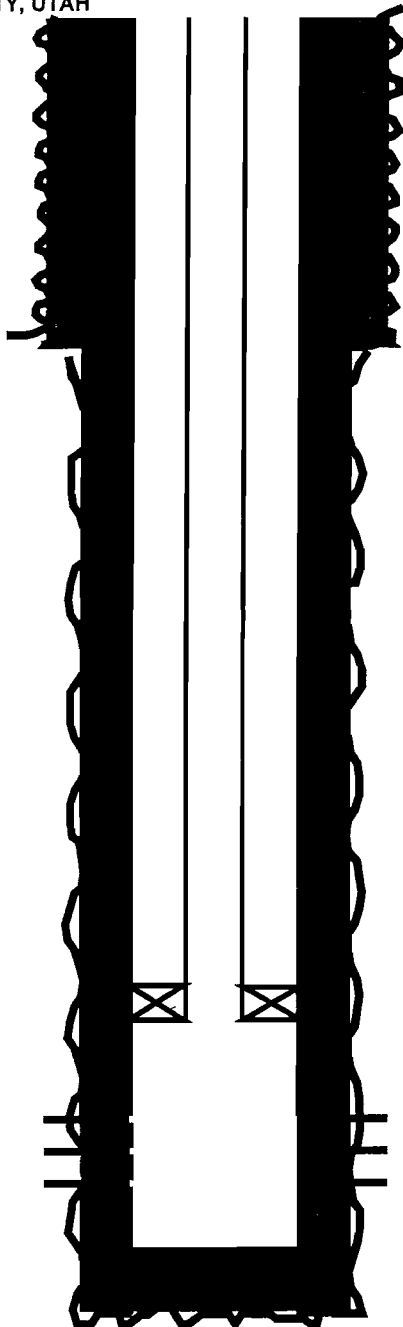
PLANNED WELLBORE DIAGRAM

WELL: RWU #324 (23-16B)
LOCATION: SURFACE, 1274' FSL & 1838' FWL
SESW-SEC. 16-T7S-R23E
BOTTOM HOLE, 2008' FSL & 1986' FWL
NESW-SEC.16-T7S-R23E
UINTAH COUNTY, UTAH

LEASE: ML-3037
API #: N/A

CEMENT TOP - ATTEMPT TO
CIRCULATE TO SURFACE

2-7/8" OR 2-3/8" TUBING,
RETRIEVABLE PACKER AT
~5500' MD. SIE MAY BE
USED DEPENDING ON PAY
ZONE DISTRIBUTION.



KBE: ~5588
GLE: ~5574'
TD: ~6026' MD, ~5874' TVD
PBTD: ~5834' MD

PLANNED SURFACE HOLE & CASING:

HOLE SIZE: 12-1/4"
CSG. TYPE & SIZE: 8 5/8", 24# K-55
SETTING DEPTH: ~360' MD
CEMENT: ~200 SX. CLASS G
CEMENT TOP: SURFACE

EXPECTED GEOLOGIC MARKERS:

UINTA	SURFACE
GREEN RIVER	~3148' MD, ~3124' TVD'
OIL SHALE	~3865-4300' MD, ~3834-4264' TVD

CONFINING ZONE:

~5523-5421' MD, ~5474-5374' TVD

INJECTION ZONE:

~5523-5774' MD, ~5474-5724' TVD

PLANNED PRODUCTION HOLE AND CASING:

HOLE SIZE: 7 7/8"
CSG. TYPE & SIZE: 5 1/2", 15.5# K-55
SETTING DEPTH: ~6026' MD
CEMENT: >250 SX. HI-FILL CLASS G LEAD,
>380 SX. CLASS G TAIL
CEMENT TOP: SURFACE

3/10/98 PBTD: ~5834' MD
TD: ~6026' MD, ~5874' TVD

ATTACHMENT Q



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460
PLUGGING AND ABANDONMENT PLAN

NAME AND ADDRESS OF FACILITY
RED WASH UNIT #324 (23-16B)
11002 EAST 17500 SOUTH
VERNAL, UT 84078-8526

NAME AND ADDRESS OF OWNER/OPERATOR
CHEVRON USA PRODUCTION CO., INC.
11002 EAST 17500 SOUTH
VERNAL, UT 84078-8526

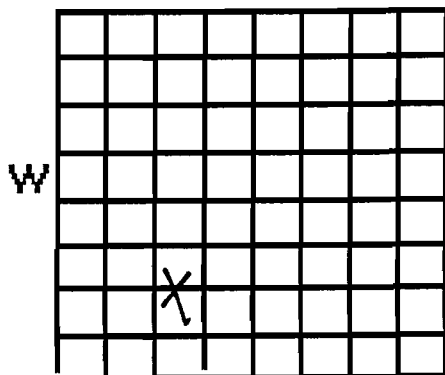
LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT -- 640 ACRES

STATE
UT

COUNTY
UINTAH

PERMIT NUMBER

N



S

SURFACE LOCATION DESCRIPTION

SE 1/4 OF SW 1/4 OF 1/4 SECTION 16 TOWNSHIP 7S RANGE 23E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location 1274 ft. from (N/S) S Line of quarter section

and 1838 ft. from (E/W) W Line of quarter section

TYPE OF AUTHORIZATION

WELL ACTIVITY

☒ Individual Permit
☐ Area Permit
☐ Rule

☐ CLASS I
☒ CLASS II
☐ Brine Disposal
☒ Enhanced Recovery
☐ Hydrocarbon Storage
☐ CLASS III

Number of Wells 1

Lease Name **RED WASH UNIT**

Well Number **#324 (23-16B)**

CASING AND TUBING RECORD AFTER PLUGGING

METHOD OF EMPLACEMENT OF CEMENT PLUGS

SIZE	WT(LB/FT)	TO BE PUT IN WELL(FT)	TO BE LEFT IN WELL(FT)	HOLE SIZE
8-5/8	24	360	360	12-1/4
5-1/2	15.5	6026	6026	7-7/8

☒ The Balance Method
☒ The Dump Bailer Method
☐ The Two-Plug Method
☐ Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5-1/2	5-1/2	5-1/2	5-1/2			
Depth to Bottom of Tubing or Drill Pipe (ft.)		5500	4350	3198	360			
Sacks of Cement To Be Used (each plug)		4.6	68	13	45			
Slurry Volume To Be Pumped (cu. ft.)		4.9	72.1	13.8	47.7			
Calculated Top of Plug (ft.)		5465	3815	3098	0			
Measured Top of Plug (if tagged ft.)								
Slurry Wt. (Lb./Gal.)		16.4	16.4	16.4	16.4			
Type Cement or Other Material (Class III)		H	H	H	H			

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

From	To	From	To
REFER TO ATTACHED			

Estimated Cost to Plug Wells

\$30,000

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print)
J. T. CONLEY
RED WASH ASSET TEAM LEADER

SIGNATURE

DATE SIGNED

3-12-98

RWU #324 (23-16B)

PLANNED P&A PROCEDURE:

1. MIRU. ND WH AND NU BOPE. PULL INJECTION EQUIPMENT.
2. PU WORKSTRING AND CLEAN OUT TO PBTD WITH BIT AND SCRAPER.
3. **PLUG #1: TOP PERFORATION AT ~5523' MD.** SET CIBP AT ~5500' AND DUMP BAIL 35' (4.6 SX.) CLASS H CEMENT ON TOP. DISPLACE WELLBORE WITH 9.2 PPG BRINE.
4. **PLUG #2: OIL SHALE INTERVAL ~3865-4300' MD.** SET BALANCED CEMENT PLUG ACROSS INTERVAL ~3815-4350' USING 68 SX. CLASS H CEMENT.
5. **PLUG #3: GREEN RIVER FM. TOP AT ~3148' MD.** SET BALANCED CEMENT PLUG ACROSS INTERVAL ~3098-3198' USING 13 SX. CLASS H CEMENT.
6. **PLUG #4: SURFACE CASING SHOE AT 360'.** SET BALANCED PLUG FROM 360' TO SURFACE USING 45 SX. CLASS H CEMENT.
7. CUT OFF WH AND INSTALL MARKER.
8. RDMO. REHAB PER BLM GUIDELINES.

PLANNED WELLBORE DIAGRAM

WELL: RWU #324 (23-16B)
LOCATION: SURFACE, 1274' FSL & 1838' FWL
SESW-SEC. 16-T7S-R23E
BOTTOM HOLE, 2008' FSL & 1986' FWL
NESW-SEC.16-T7S-R23E
UINTAH COUNTY, UTAH

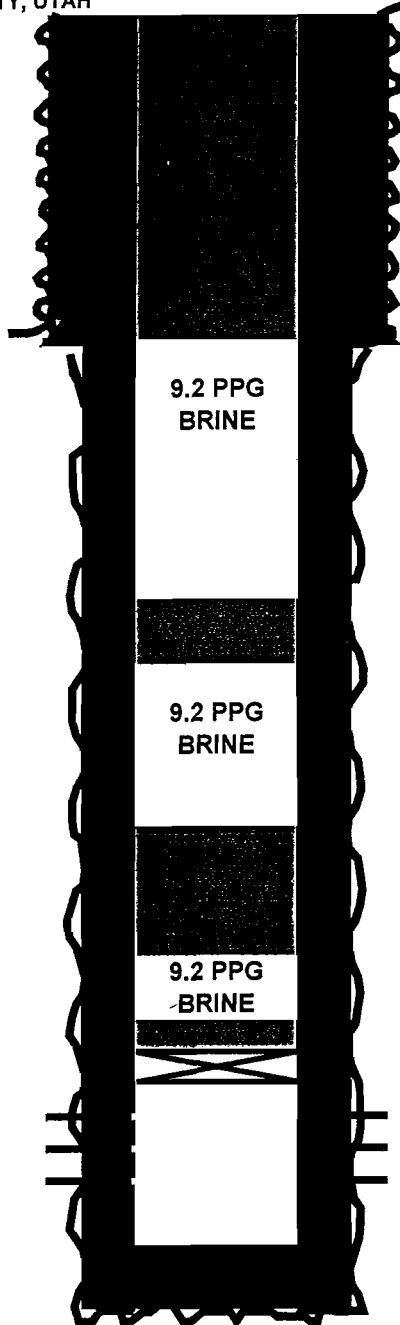
LEASE: ML-3037
API #: N/A

PLUG #4: BALANCED PLUG
FROM SURFACE CASING
SHOE TO SURFACE USING
~45 SX. CLASS H.
~360'-SURFACE

PLUG #3: BALANCED PLUG
ACROSS GREEN RIVER FM.
TOP USING ~13 SX. CLASS H
~3098-3198' MD

PLUG #2: BALANCED PLUG
ACROSS OIL SHALE USING
~68 SX. CLASS H.
~3815-4350' MD

PLUG #1: CIBP @ ~5500'
WITH 35' (~4.6 SX.) CLASS
H CEMENT ON TOP.
~5500-5465' MD



KBE: ~5588
GLE: ~5574'
TD: ~6026' MD, ~5874' TVD
PBD: ~5834' MD

PLANNED SURFACE HOLE & CASING:

HOLE SIZE: 12-1/4"
CSG. TYPE & SIZE: 8 5/8", 24# K-55
SETTING DEPTH: ~360' MD
CEMENT: ~200 SX. CLASS G
CEMENT TOP: SURFACE

EXPECTED GEOLOGIC MARKERS:

UINTA	SURFACE
GREEN RIVER	~3148' MD, ~3124' TVD'
OIL SHALE	~3865-4300' MD, ~3834-4264' TVD

CONFINING ZONE:

~5523-5421' MD, ~5474-5374' TVD

INJECTION ZONE:

~5523-5774' MD, ~5474-5724' TVD

PLANNED PRODUCTION HOLE AND CASING:

HOLE SIZE: 7 7/8"
CSG. TYPE & SIZE: 5 1/2", 15.5# K-55
SETTING DEPTH: ~6026' MD
CEMENT: >250 SX. HI-FILL CLASS G LEAD,
>380 SX. CLASS G TAIL
CEMENT TOP: SURFACE

3/10/98

PBD: ~5834' MD
TD: ~6026' MD, ~5874' TVD

ATTACHMENT T

**INJECTION WELL INVENTORY
RED WASH UNIT
UINTAH COUNTY, UTAH**

WELL	LOCATION	API #	EPA ID #
#100A (43-21A)	NESE-21-7S-22E	43-047-15219	UT02463
#102 (41-24A)	SENE-24-7S-22E	43-047-15221	UT02406
#11 (34-27B)	SWSE-27-7S-23E	43-047-15142	UT02395
#14 (14-13B)	SWSW-13-7S-23E	43-047-15144	UT02396
#148 (13-22B)	NWSW-22-7S-23E	43-047-15261	UT02407
#156 (23-15B)	NESW-15-7S-23E	43-047-15267	UT02409
#173 (21-21B)	NENW-21-7S-23E	43-047-16496	UT02439
#174 (21-20B)	NENW-20-7S-23E	43-047-15281	UT02411
#182 (14-21B)	SWSW-21-7S-23E	43-047-16497	UT02440
#183 (33-13B)	NWSE-13-7S-23E	43-047-15289	UT02412
#185 (41-14B)	NENE-14-7S-23E	43-047-16498	UT02441
#199 (43-22A)	NESE-22-7S-22E	43-047-15301	UT02414
#2 (14-24B)	SWSW-24-7S-23E	43-047-16472	UT02416
#213 (41-33B)	NENE-33-7S-23E	43-047-20060	UT2661-02444
#215 (43-28A)	NESE-28-7S-22E	43-047-30058	UT02445
#216 (21-27A)	NENW-27-7S-22E	43-047-30103	UT02446
#23 (21-23B)	NENW-23-7S-23E	43-047-15151	UT02397
#261 (23-17B)	NESW-17-7S-23E	43-047-32739	UT2835-04402
#264 (31-35B)	NWNE-35-7S-23E	43-047-30519	UT02449
#275 (31-26B)	NWNE-26-7S-23E	43-047-31077	UT02455
#279 (11-36B)	NWNW-36-7S-23E	43-047-31052	UT02453
#34 (23-14B)	NWSW-14-7S-23E	43-047-15161	UT02398
#56 (41-28B)	NENE-28-7S-23E	43-047-15182	UT02400
#59 (12-24B)	SWNW-24-7S-23E	43-047-16477	UT02421
#6 (41-21B)	NENE-21-7S-23E	43-047-16482	UT02426
#61 (12-27A)	SWNW-27-7S-22E	43-047-16478	UT02422
#7 (41-27B)	NENE-27-7S-23E	43-047-15205	UT02417
#88 (23-18B)	NESW-18-7S-23E	43-047-15210	UT02404
#91 (33-22B)	NWSE-22-7S-23E	43-047-16479	UT02423
#93 (43-27B)	NESE-27-7S-23E	43-047-16480	UT02424
#134 (14-28B)	SWSW-28-7S-23E	43-047-16489	UT02433
#139 (43-29B)	NESE-29-7S-23E	43-047-16490	UT02434
#150 (31-22B)	NWNE-22-7S-23E	43-047-15263	UT02408
#16 (43-28B)	NESE-28-7S-23E	43-047-16475	UT02419
#161 (14-20B)	SWSW-20-7S-23E	43-047-15271	UT02410
#170 (41-15B)	NENE-15-7S-23E	43-047-16495	UT02438
#202 (21-34A)	NENW-34-7S-22E	43-047-15303	UT02415
#25 (23-23B)	NESW-23-7S-23E	43-047-16476	UT02420
#263 (24-26B)	SESW-26-7S-23E	43-047-30518	UT02448
#265 (44-26B)	SESE-26-7S-23E	43-047-30520	UT02450
#266 (33-26B)	NWSE-26-7S-23E	43-047-30521	UT02451
#269 (13-26B)	NWSW-26-7S-23E	43-047-30522	UT02452
#271 (42-35B)	SENE-35-7S-23E	43-047-31081	UT02458
#48 (32-19B)	SWNE-19-7S-23E	43-047-15174	UT02399
#60 (43-30B)	NESE-30-7S-23E	43-047-15184	UT02401
#68 (41-13B)	NENE-13-7S-23E	43-047-16485	UT02429
#97 (23-18C)	NESW-18-7S-24E	43-047-15216	UT02405
#17 (41-20B)	NENE-17-7S-23E	43-047-15146	UT2810-04346
#258 (34-22A)	SWSE-22-7S-22E	43-047-30458	UT2812-04348
#268 (43-17B)	NESE-17-7S-23E	43-047-32980	UT2832-04399
#301 (43-15B)	NESE-15-7S-23E	43-047-31682	UT2834-04401
#52 (14-18B)	SWSW-18-7S-23E	43-047-15178	UT2811-04347

**WONSITS VALLEY FEDERAL UNIT
UINTAH COUNTY, UTAH**

**INJECTION WELL INVENTORY
DECEMBER 31, 1997**

WELL	LOCATION	API#	EPA ID#
SC #12-23	NESE-23-8S-21E	43-047-20203	UT02367
WVFU #120	NENW-22-8S-21E	43-047-32462	UT2770-04264
WVFU #126	NWNE-21-8S-21E	43-047-30796	UT02509
WVFU #140	NWNW-15-8S-21E	43-047-31707	UT03508
WVFU #143	NWSE-10-8S-21E	43-047-31808	UT03509
WVFU #16	NENE-15-8S-21E	43-047-15447	UT02469
WVFU #21	NENE-16-8S-21E	43-047-15452	UT02471
WVFU #28-2	NESW-11-8S-21E	43-047-31524	UT02510
WVFU #31	NENW-14-8S-21E	43-047-15460	UT02394
WVFU #36	NESW-10-8S-21E	43-047-15464	UT02479
WVFU #40-2	NESE-10-8S-21E	43-047-31798	UT02511
WVFU #41	NENW-15-8S-21E	43-047-15496	UT02483
WVFU #50	SWNE-15-8S-21E	43-047-15477	UT03504
WVFU #59	SWNW-14-8S-21E	43-047-20018	UT03505
WVFU #60	SWSE-15-8S-21E	43-047-20019	UT03506
WVFU #67	NESW-15-8S-21E	43-047-20043	UT02497
WVFU #68	NESE-15-8S-21E	43-047-20047	UT02498
WVFU #71-2	SWSW-15-8S-21E	43-047-32449	UT2712-03777
WVFU #72	SWSW-16-8S-21E	43-047-20058	UT02501
WVFU #73	NESE-16-8S-21E	43-047-20066	UT02502
WVFU #78	NESW-16-8S-21E	43-047-20115	UT02504
WVFU #9	NESE-12-8S-21E	43-047-15440	UT02466
WVFU #52	NENE-13-8S-21E	43-047-15479	UT02460
WVFU #61	NENW-18-8S-22E	43-047-20023	UT02495
WVFU #66	SWSE-14-8S-21E	43-047-20042	UT03098
WVFU #35	NESW-14-8S-21E	43-047-15463	UT2813-04351
WVFU #97	NWSW-11-8S-21E	43-047-30014	UT2814-04350

**GYPSUM HILLS UNIT
UINTAH COUNTY, UTAH**

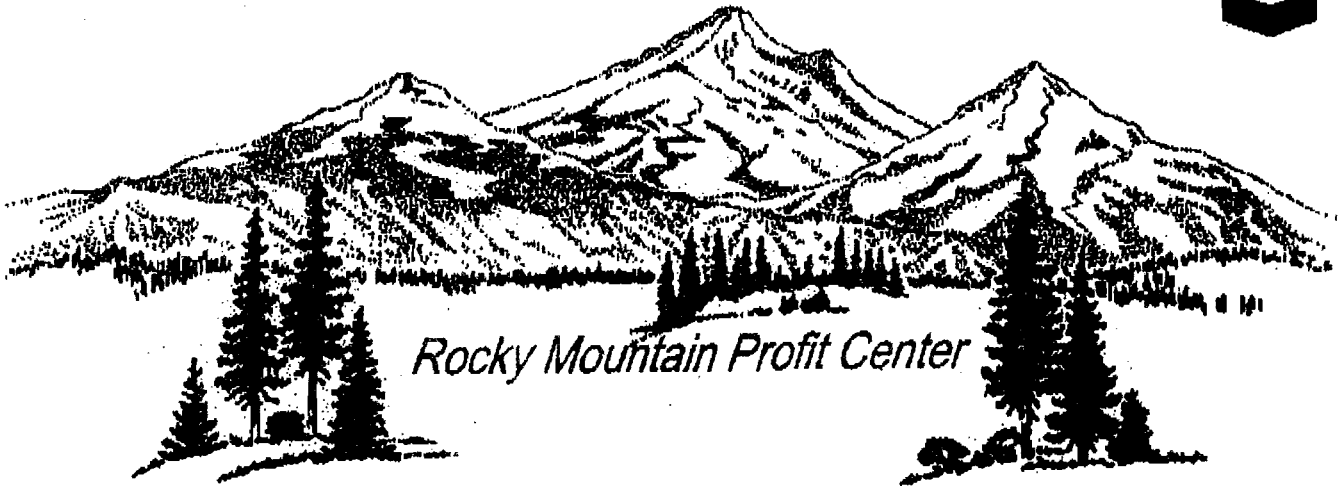
**INJECTION WELL INVENTORY
DECEMBER 31, 1997**

WELL	LOCATION	API #	EPA ID #
COSTAS FED #1-20-4B	NESW-20-8S-21E	43-047-31006	UT2726-03792
COSTAS FED #2-20-3B	NESE-20-8S-21E	43-047-31066	UT03722
COSTAS FED #3-21-1D	SWNW-21-8S-21E	43-047-31604	UT02714
GHU #10	NWSE-21-8S-20E	43-047-32306	UT03721
GHU #12	NESE-19-8S-21E	43-047-32458	UT2727-03794
GHU #15	SWSW-20-8S-21E	43-047-32648	UT2804-04336
GHU #17	SWSE-20-8S-21E	43-047-32649	UT2805-04337
GHU #3	NENE-20-8S-21E	43-047-20002	UT2759-04241
GHU #6	NENW-20-8S-21E	43-047-30099	UT2760-04242
GHU #8-I	SWNE-20-8S-21E	43-047-31932	UT02715

**INJECTION WELL INVENTORY
BRENNAN BOTTOM UNIT
UINTAH COUNTY, UTAH**

WELL	LOCATION	API #	EPA ID #
BRENNAN FED #5	SENW-18-7S-21E	43-047-15420	UT2807-04341
BRENNAN FED #11	SESW-18-7S-21E	43-047-32772	UT2807-04342

Chevron U.S.A. Production Company



Rocky Mountain Profit Center

11002 East 17500 South, Vernal, UT 84078

(801) 781-4300 (Office)

(801) 781-4329 Panafax)

(801) 781-4300 (Confirm)

CTN numbers are the same.

SENT TO: Utah Division of Oil, Gas and Mining

FAX: 801 538 5296 (Attention Lisha)
4745

PHONE: _____

FROM: Michael Alexander

PHONE: 435 781 4307

TOTAL NUMBER OF PAGES BEING SENT (including this one) 3

NOTE: _____

United States Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 West
Vernal, UT 84078

SELF-CERTIFICATION STATEMENT

Be advised that Chevron USA Production Company is considered to be the operator of Red Wash Unit #324 (23-16B), SESW-Sec.16-T7S-R23E, Uintah County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Nationwide Bond #U-89-75-80-59 (Standard Oil Co. of California and its wholly owned subsidiary Chevron USA Production Co., as co-principals) via surety consent as provided for in 43 CFR 3104.2.

Sincerely,



J. T. Conley
Red Wash Area Team Leader

DATE: 4-2-98

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/16/98

API NO. ASSIGNED: 43-047-33084

WELL NAME: RWU 324 (23-16B)
OPERATOR: CHEVRON USA INC (N0210)

PROPOSED LOCATION:

SESW 16 - T07S - R23E
SURFACE: 1274-FSL-1838-FWL
BOTTOM: 2008-FSL-1986-FWL
UINTAH COUNTY
RED WASH FIELD (665)

LEASE TYPE: STA
LEASE NUMBER: ML-3037

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: 04/16/98

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

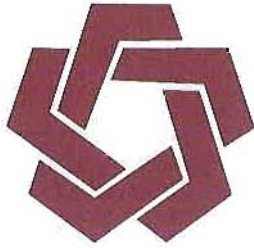
☒ Plat
☒ Bond: Federal[] State☒ Fee[]
(Number U-89-75-80-59)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number A17791 / 49-2153)
☒ RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

☒ R649-2-3. Unit: Red Wash
____ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS: * Bond referenced in APD not for State minerals
* Surface / State

STIPULATIONS: ① STATEMENT OF BASIS



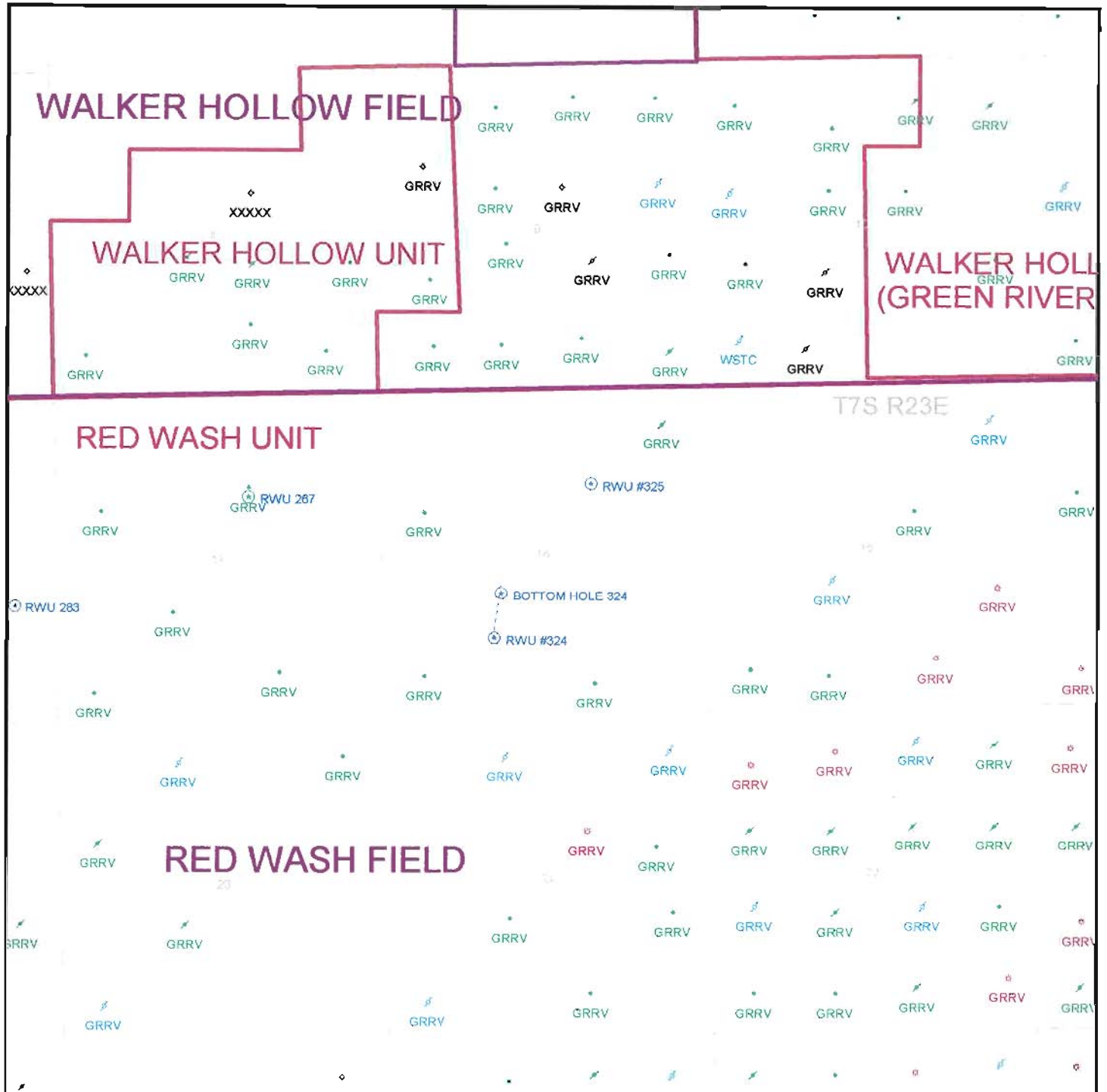
DIVISION OF OIL, GAS & MINING

OPERATOR: CHEVRON PRODUCTION (N0210)

FIELD: RED WASH FIELD (665)

SEC. 16, TWP. 7S, RNG. 23E,

COUNTY: UINTAH UAC: R649-2-3 RED WASH UNIT



DATE PREPARED:
26-MAR-1998

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

Operator Name: CHEVRON U.S.A. INC.

Name & Number: RED WASH 324

API Number: 43-047-33084

Location: 1/4, 1/4 SE/SW Sec. 16 T. 7S R. 23E

Geology/Ground Water:

The base of moderately saline water is in excess of 5200 feet in this area (Technical Publication # 92). The base of the moderately saline water is probably in the lower Green River Formation. The Green River Formation is classified as an Exempt Aquifer in this area. This location is not in a designated oil shale area, and the oil shale is located below what would be considered a minable depth. Fresh water zones may be encountered in sands throughout the Uinta Formation. These zones are generally discontinuous and not subject to direct recharge. The proposed surface casing should adequately protect these zones. The proposed cement program for the production casing should adequately protect and isolate any productive zones from fresh water zones above.

Reviewer: Brad Hill

Date: 4/6/98

Surface:

The Presite Investigation of the surface was performed by field personnel on 12/10/97. All applicable surface management agencies and landowners have been notified and their concerns accommodated where reasonable and possible. Well will be an injection well. One edge of reserve pit will be in fill, and a 12 mil liner will be required to protect the pit from erosion.

Reviewer: DAVID W. HACKFORD

Date: 12/12/97

Conditions of Approval/Application for Permit to Drill:

1. Reserve pit shall be constructed east of the wellbore.
2. The reserve pit shall be lined with a synthetic liner with a minimum thickness of 12 mils.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: CHEVRON U.S.A. INC.
WELL NAME & NUMBER: RED WASH 324
API NUMBER: 43-047-33084
LEASE: ML-3037 FIELD/UNIT: RED WASH FIELD
LOCATION: 1/4, 1/4 SE/SW Sec: 16 TWP: 7S RNG: 23E 1274' FSL 1838' FWL
GPS COORD (UTM) NO READING
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

JOHN BUSH, MIKE ALEXANDER, (CHEVRON U.S.A. INC.)
DAVID W. HACKFORD (DOGM).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS SOUTH OF THE RIM ABOVE WALKER HOLLOW ON A SMALL SAGEBRUSH
BENCH WITH SANDSTONE BEDROCK EXPOSURES BELOW TOWARD WALKER HOLLOW.
DRAINAGE IS TO THE NORTH.

SURFACE USE PLAN

CURRENT SURFACE USE: LIVESTOCK AND WILDLIFE GRAZING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 290' X 190.
ACCESS ROAD WILL BE 0.1 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP
FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: NO PRODUCTION
FACILITIES. WELL WILL BE AN INJECTION WELL. WATER PIPELINE WILL
FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE
BORROWED FROM THIS SITE DURING CONSTRUCTION AND IS NATIVE.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT
WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO
STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE
HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH
BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: GREASEWOOD, SAGEBRUSH, SHADSCALE, INDIAN RICEGRASS,
GALLETA GRASS, HORSEBRUSH, PRICKLY PEAR. RODENTS, COYOTES, BIRDS,
DEER, PRONGHORN.

SOIL TYPE AND CHARACTERISTICS: TAN COLORED LOAMY CLAY.

SURFACE FORMATION & CHARACTERISTICS: SITE IS SITUATED IN MINOR AMOUNTS
OF QUATERNARY ALLUVIUM DEPOSITED ON THE EOCENE DUCHESNE RIVER
FORMATION. (ROWLEY, ET AL. 1985).

EROSION/SEDIMENTATION/STABILITY: MINOR SEDIMENTATION, NO STABILITY PROBLEMS
ANTICIPATED. EROSION COULD BE A SERIOUS PROBLEM IF LOCATION IS NOT
PROTECTED.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 100' BY 50' AND 8' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL
BE REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER STATE OF UTAH, TRUST LANDS.

SURFACE AGREEMENT: STATE OF UTAH, TRUST LANDS.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY
SENCO-PHENIX, ARCHEOLOGICAL CONSULTING SERVICES. A REPORT OF THIS
INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS

INVESTIGATION WAS DONE ON A COLD WINDY DAY WITH 4" SNOW COVER.

ATTACHMENTS:

PHOTOS OF PROPOSED SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD
DOGM REPRESENTATIVE

12/10/97 12:45 PM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>10</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
Final Score (Level II Sensitivity)		<u>25</u>

MARCH 11, 1998



Chevron

RWU #324 (23-16B)

RE

UII

* 980318 added to permits.
Lee

Chevron U.S.A. Production Co.
Rocky Mountain Profit Center
11002 East 17500 South
Vernal UT 8526

MF

UN

RE

99

DE

8F

CTION AGEM

Was this well drilled?

UIC-217

De

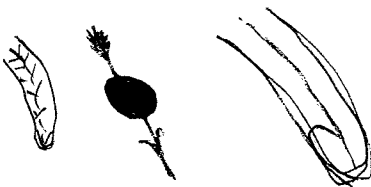
Pl
inje
to tc

on package for a proposed new Class II ER water
B).
mm

EPA's timely review and consideration of this a
Steven McPherson at (435) 781-4310 with any
may have.

ASSOCIATED TITLE COMPANY
Title Department 578-8888 Commercial Services 578-8835

NEED UIC Form 1



We Take Every Client Personally!

Attn. Mr. Gil Hunt

has not Rec'd EPA permit
yet being drilled

1999 Budget item

Steven McPherson
(435) 781-4310
- conversation
9/17/98
CK

MARCH 11, 1998



Chevron

**RWU #324 (23-16B)
RED WASH UNIT
UINTAH COUNTY, UTAH**

**Chevron U.S.A. Production Co.
Rocky Mountain Profit Center
11002 East 17500 South
Vernal, UT 84078-8526
(801) 781-4300**

**MR. CHUCK WILLIAMS
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, CO 80202-2466
8P2-W-GW**

Dear Mr. Williams:

Please find enclosed the UIC Permit Application package for a proposed new Class II ER water injector in Red Wash Unit, **RWU #324 (23-16B)**. We plan to drill this new well directionally due to topographic considerations, with work to commence in late 1998 or early 1999.

EPA's timely review and consideration of this application will be appreciated. Please contact Steven McPherson at (435) 781-4310 with any questions or additional information needs you may have.

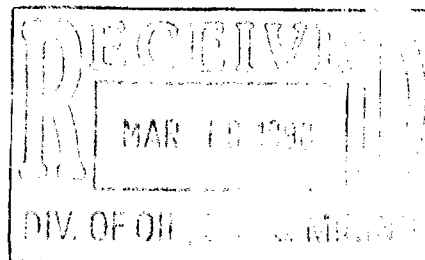
Sincerely,



**J. T. CONLEY
RED WASH ASSET TEAM LEADER**


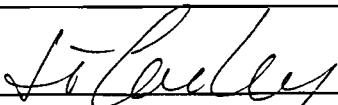
Enclosures

cc/wo APD



Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, UT 84114-5801
Attn. Mr. Gil Hunt

U.S. Department of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

Form 4 UIC		UNITED STATES ENVIRONMENTAL PROTECTION AGENCY UNDERGROUND INJECTION CONTROL PERMIT APPLICATION <i>(Collected under the authority of the Safe Drinking Water Act, Section 1421, 1422, 40 CFR 144)</i>	U	T/A	C
READ ATTACHED INSTRUCTION BEFORE STARTING FOR OFFICIAL USE ONLY					
Application approved mo day year		Date Received mo day year		Permit / Well Number	
II. NAME AND ADDRESS OF FACILITY			III. OWNER / OPERATOR AND ADDRESS		
Facility Name RWU #324 (23-16B)			Owner / Operator Name CHEVRON USA PRODUCTION CO., INC		
Street Address 11002 EAST 17500 SOUTH			Street Address 11002 EAST 17500 SOUTH		
City VERNAL		State UT	ZIP Code 84078-8526	City VERNAL	
				State UT	
				ZIP Code 84078-8526	
IV OWNERSHIP STATUS (Mark 'x')			V. SIC CODES		
<input checked="" type="checkbox"/> A. Federal <input type="checkbox"/> B. State <input type="checkbox"/> C. Private <input type="checkbox"/> D. Public <input type="checkbox"/> E. Other (Explain)			1311		
VI. WELL STATUS (Mark 'x')					
<input type="checkbox"/> A.		Date Started mo day year		<input type="checkbox"/> B. Modification / Conversion <input checked="" type="checkbox"/> C. Proposed	
				CHEVRON PROPOSES TO DIRECTIONALLY DRILL A NEW CLASS II ER WATER INJECTOR AT THIS LOCATION.	
VII. TYPE OF PERMIT REQUESTED (Mark 'x' and specify if required)					
<input checked="" type="checkbox"/> A. Individual <input type="checkbox"/> B. Area		Number of Exist- ing wells	Number of Pro- posed wells 1	Name(s) of field(s) or project(s) RWU #324 (23-16B)	
VII. CLASS AND TYPE OF WELL (see reverse)					
A. Class(es) (enter code(s))		B. Type(s) (enter code(s))		C. If class is "other" or type is code 'x', explain	
II		ER			
D. Number of wells per type (if area permit)					
IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT					X. INDIAN LANDS (Mark 'x')
C	A. Latitude		B. Longitude		Township and Range
	Deg	Min	Sec	Deg	Min
				Twsp	Range
				7S	23E
				16	SESW
				1274	FSL
				1838	FWL
					<input checked="" type="checkbox"/> A. Yes <input type="checkbox"/> B. No
XI. ATTACHMENTS					
(Complete the following questions on a separate sheet(s) and number accordingly; see instructions) FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A - U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application: A, B, C, E, G, H, I, J, K, L, M, O, P, Q, R, S, T, U					
XII. CERTIFICATION					
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)					
A. Name and Title (Type or Print)				B. Phone No. (Area Code and No.)	
John T Conley Red Wash Asset Team Leader				(435) 781-4300	
C. Signature				D. Date Signed	
				3-12-98	

**UNDERGROUND INJECTION CONTROL
PERMIT APPLICATION
CLASS II ENHANCED RECOVERY WELL**

**RWU #324 (23-16B)
SURFACE LOCATION: SESW-S16-T7S-R23E
BOTTOM HOLE LOCATION: NESW-S16-T7S-R23E**

**RED WASH UNIT
UINTAH COUNTY, UTAH**

A. AREA OF REVIEW METHOD:

1. The Area of Review (AOR) is a fixed radius 0.25 mile from the well for both the surface location and the bottom hole location.

B. MAPS OF WELLS/AREA AND AREA OF REVIEW:

1. Attachment B is a topographic map showing the AOR for RWU #324.

C. CORRECTIVE ACTION PLAN AND WELL DATA:

1. **RWU #324:** Proposed construction parameters are included in other application attachments. Assuming expectations are met, no corrective action will be required.
2. **RWU #259:** The AOR for the surface location contains one other well, #259. Attachment C contains all pertinent information on this well. The AOR for the bottom hole location contains no other wells.

D. MAPS AND CROSS SECTIONS OF USDWs:

1. Does not apply to Class II wells.

E. NAME AND DEPTH OF USDWs (CLASS II):

Depths to formation tops and geologic markers are estimated as follows for the proposed well in the AOR:

FORMATION OR MARKER	MEASURED DEPTH	TRUE VERTICAL DEPTH
Uinta Formation	Surface	
Green River Formation	~3148'	~3124'

RWU #324 (23-16B) UIC PERMIT APPLICATION

Oil Shale Top	~3865'	~3834'
Oil Shale Base	~4300'	~4264'
Target Injection Interval	~5523-5774	~5474-5724'

1. There are no known USDW's or water wells in the AOR.
2. In the AOR, State of Utah Department of Natural Resources Technical Report #92 (USGS Open File Report 87-394), titled "BASE OF MODERATELY SALINE GROUND WATER IN THE UINTA BASIN, UTAH", it is indicated that any USDW's in the area of RWU #324 are approximately at sea level within the Green River Formation. The Green River Formation is classified by the EPA as an exempt aquifer in the AOR.
3. The target injection interval is expected to be between the depths of ~5523-5774' MD, ~5474-5724' TVD. Actual depths and perforated intervals will be selected based on actual openhole logs and resulting geologic correlations. At virgin conditions, the injection interval was very near the irreducible water saturation and produced only minor amounts of formation water. This fact is demonstrated by three 80 acre offsets which produce water-free oil. Current water production from the Red Wash area is recycled injection water.

F. MAPS AND CROSS SECTIONS OF GEOLOGIC STRUCTURE OF AREA:

1. Does not apply to Class II wells.

G. GEOLOGIC DATA ON INJECTION AND CONFINING ZONES (CLASS II):

Expected lithologic descriptions apply to the following anticipated injection and confining zones at RWU #324:

INTERVAL	Measured Depth	True Vertical Depth
Target Interval		
Depths	~5523-5774'	~5474-5724'
Thickness	~251'	~250'

RWU #324 (23-16B) UIC PERMIT APPLICATION

Confining Zone

Depths	~5523-5421'	5474-5374'
Thickness	~102'	~100'

Confining Zone to Green River Top

Depths	~5421-3148'	~5374-3124'
Thickness	2273'	2250'

1. The target injection interval is expected to be sandstone interbedded with shales and tight carbonates.
2. The confining zone directly above the target injection interval is expected to be shale with interbedded tight mudstones and carbonates. Additional intervening strata between the top of the confining zone and the top of the Green River Formation consists of tightly interbedded shales, carbonate mudstones, siltstones, and sandy limestones to limy sandstones.
3. **A fracture gradient of 0.81 psi/ft has been established for the Red Wash Unit.** Based on a fracture gradient of 0.81 psi/ft, ~5474' TVD to the top perforation and a fluid specific gravity of 1.015, maximum surface injection pressure will be ~2028 psi.

H. OPERATING DATA:

1. The daily water injection rate will vary with reservoir conditions and offset production rates, all of which change over time. Initial injection rates may approach 1000 BWPD while building reservoir pressure. A target rate of less than 500 BWPD is expected within six months, based on anticipated offset production.
2. Maximum injection pressure will initially approach fracture pressure in order to build reservoir pressure as quickly as possible. Average injection pressures approaching 1700-1900 psi are expected.
3. Annulus fluid will be produced water containing corrosion inhibitor to prevent corrosion of tubulars. A diesel freeze blanket will be circulated from surface to below frost level at completion to prevent freezing and possible equipment failure during winter months.
4. Does not apply to Class II wells.

RWU #324 (23-16B) UIC PERMIT APPLICATION

5. Injected fluid consists of produced recycle and fresh make up water from Red Wash Unit. The proposed well will be connected to the Central Battery Injection Station, which is connected to produced oil and water processing facilities and the fresh water system. Fresh make-up water is required for material balance reasons to replace oil and gas removed from the reservoir. The water is treated with scale and corrosion inhibitors before entering the distribution system.
6. Attachment H is a copy of a water analysis report submitted by Chevron to the EPA for 1998 annual reporting purposes. The fluid analyzed was water leaving the Red Wash Central Battery Injection Station for distribution and injection in a large area of the Red Wash Unit. Since the proposed well will be connected to the Central Battery Injection Station system, Attachment H is representative of the injected fluid for the proposed well.
7. Does not apply to Class II wells.

I. FORMATION TESTING PROGRAM:

1. A fracture gradient of 0.81 psi/ft has been established for the Red Wash Unit.
2. Static reservoir pressure will be obtained via bottom hole pressure bomb following completion of the well and before commencing injection.
3. No fluid sampling of the completed interval will be attempted.

J. STIMULATION PROGRAM:

1. At present, planned stimulation consists of isolating perforated intervals individually between tools, breaking down and establishing a pump in rate.
2. If pump in rates are insufficient, stimulation treatments using acid or hydraulic fracturing may be required.

K. INJECTION PROCEDURES:

1. With the exception of normal wellhead equipment, valves and monitoring equipment, no on-site equipment such as tanks and pumps will be involved. Water will be

RWU #324 (23-16B) UIC PERMIT APPLICATION

supplied to the well by an injection flowline connected with the existing Central Battery Injection Station distribution network.

2. Injection facilities are designed and operated to provide continuous injection at rates and pressures consistent with operating, engineering and regulatory requirements. Uninterrupted operation is planned.

L. CONSTRUCTION PROCEDURES:

1. Construction will start after permit and flowline right-of-way approval. Construction is expected to take approximately 14 days.
2. Attachment L details construction procedures. Chevron may install selective injection equipment (SIE) which will straddle perforations and allow vertical control of injected volumes at some point in the future.
3. The proposed annulus fluid is produced water containing corrosion inhibitor to prevent corrosion of tubulars. A diesel freeze blanket will be circulated from surface to below frost level to prevent freezing and possible equipment failure during winter months. Following a successful mechanical integrity test, static reservoir pressure will be obtained. The well will commence injection following flowline installation and EPA authorization to inject.

M. CONSTRUCTION DETAILS:

1. Attachment M shows proposed construction details of the well.

N. CHANGES IN INJECTED FLUID:

1. Does not apply to Class II wells.

O. PLANS FOR WELL FAILURES:

1. Upon discovery of a mechanical integrity failure, the well will be immediately shut-in and evaluated. If repairs and a return to injection cannot be justified, the well will be plugged and abandoned.

RWU #324 (23-16B) UIC PERMIT APPLICATION

P. MONITORING PROGRAM:

1. The well will be equipped for monitoring injection pressure, tubing/casing annulus pressure, instantaneous and cumulative injected volume, and to allow sampling of the injected fluid.
2. There will be weekly observations of rates and pressures, with values recorded monthly for reporting purposes.
3. Fluid sampling for central injection facilities serving injectors at the Red Wash Unit, including the proposed well, will be conducted on an annual basis.

Q. PLUGGING AND ABANDONMENT PLAN:

1. Attachment Q contains EPA Form 7520-14, "Plugging and Abandonment Plan".
2. Attachment Q contains the plugging and abandonment procedure and schematic.
3. The proposed P&A plan is consistent with P&A procedures used by Chevron throughout the Gypsum Hills/Wonsits Valley and Red Wash areas.

R. NECESSARY RESOURCES:

1. Financial responsibility for the abandonment of the proposed well is addressed under Chevron's Financial Assurance Statement for Class II operations on Indian Lands.

S. AQUIFER EXEMPTIONS:

1. The Green River Formation is classified as an exempt aquifer by the EPA in the AOR.

T. EXISTING EPA PERMITS:

1. Chevron holds numerous UIC permits for Class II wells in the United States. Attachment T contains listings of Class II wells operated from this office.

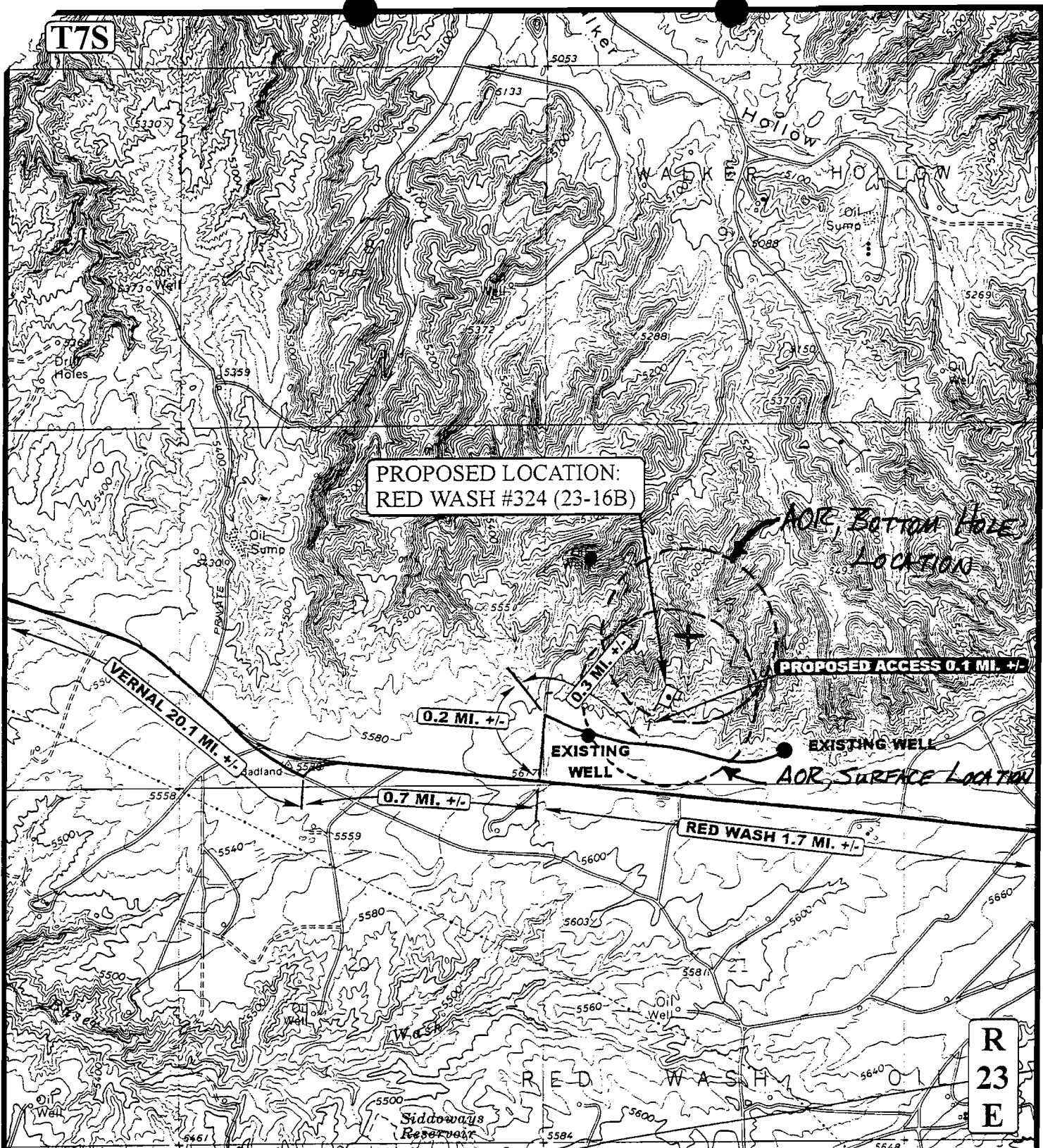
RWU #324 (23-16B) UIC PERMIT APPLICATION

U. DESCRIPTION OF BUSINESS:

1. Chevron USA Production Co. is the domestic exploration and production company of Chevron Corporation, a major international oil company.

ATTACHMENT B

T7S



LEGEND:

--- PROPOSED ACCESS ROAD
— EXISTING ROAD



CHEVRON U.S.A., INC.

RED WASH #324 (23-16B)
SECTION 16, T7S, R23E, 6th P.M.
1274' FSL 1838' FWL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(801) 789-1017 * FAX (801) 789-1813
Email: uels@easilink.com

TOPOGRAPHIC
MAP

10 27 97
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00



ATTACHMENT C

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See instructions on
reverse side).

Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR ☐ Other ☐

2. NAME OF OPERATOR
CHEVRON U.S.A. PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
11002 E. 17500 S. VERNAL, UT 84078-8525

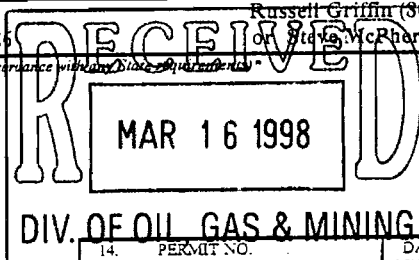
4. LOCATION OF WELL (Report location clearly and in accordance with BLM Form 3100-4)

660' FSL, 660' FWL, SW SW

At surface

At top rod, interval reported below

At total depth



14. PERMIT NO.

43-047-32785

DATE ISSUED

12. COUNTY OR PARISH
Utah

13. STATE
Utah

15. DATE SPUDDED
11/12/96

16. DATE T.D. REACHED
11/21/96

17. DATE COMPL. (Ready to prod.)
12/11/96

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
KB

19. ELEV. CASINGHEAD
5638'

20. TOTAL DEPTH, MD & TVD
5943'

21. PLUG BACK T.D., MD & TVD
5889'

22. IF MULTIPLE COMPL.,
HOW MANY*
3

23. INTERVALS DRILLED BY
→

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

5620-5626 lwr GRRV
5666-5670 lwr GRRV
5682-5692 lwr GRRV

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Neutron-Density; Resistivity; SP; MRIL; CBL

27. WAS WELL CORED
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24 K55	373'	12 1/2"	200 sx	
5 1/2"	15.5 K55	5942'	7 7/8"	630 sx	

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
					2 7/8"	5571.94'

31. PERFORATION RECORD (Interval, size and number)

5620-5626, 4 SPF, 180 deg phasing
5666-5670, 4 SPF, 180 deg phasing
5682-5692, 4 SPF, 180 deg phasing

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5620-5692	19.150 lb 20/40 sand

33. * PRODUCTION
DATE FIRST PRODUCTION
12/22/96

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Pump

WELL STATUS (Producing or shut-in)

Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/22/96	24		→	76	38	51	
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→	76	38	51		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY

Steve Kebert

35. LIST OF ATTACHMENTS
N/A

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED R.A. Griffin

TITLE

GEOLOGIC TECHNICIAN

DATE

01/09/97

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
ower GRRV ower GRRV ower GRRV	5620' 5666' 5682'	5626' 5670' 5692'	oil oil oil No Core, No DST's	Uinta Green River	Surface 3167'	

**RED WASH UNIT #259 (14-16B)
660' FSL & 660' FWL
SWSW-SEC.16-T7S-R23E
UINTAH COUNTY, UTAH**

API#: 43-047-32785
LEASE NUMBER: ML-3037

KB ELEVATION: 5638'
GL: ELEVATION: 5624'
TD: 5943'
PBSD: 5896'

CASING DETAIL:

12-1/4" HOLE SIZE
8-5/8", 24#, K-55 @ 373' W/200 SX. PREMIUM V TO SURFACE

7-7/8" HOLE SIZE
5-1/2", 15.5#, K-55 @ 5942' W/250 SX. HI-FILL CLASS H LEAD; 380 SX.
CLASS H TAIL. NO CIRCULATION DURING JOB.
CEMENT TOP @ ~2070' BY CBL

TUBING DETAIL - REFER TO TOUR REPORTS, ROD PUMPING EQUIPMENT

PERFORATIONS DETAIL:

5620-26'	Je
5666-70'	K
5682-92'	K

WELL HISTORY:

12/96: At completion, cleaned out to 5896' PBSD, tested casing to 2500 psi and ran CBL. Perforated 5682-92', 5666-70' and 5620-26'. Isolated and broke down, finding 5682-92' in communication with 5666-70'. Swabbed just enough fluid to obtain oil end members, then fractured with 3500 gal. Gel containing 19150# sand. Cleaned out to PBSD and equipped to produce via rod pump.

WELLBORE DIAGRAM

WELL: RWU #259 (14-16B)
LOCATION: 660' FSL, 660' FWL
SWSW-SEC.16-T7S-R23E
UINTAH COUNTY, UTAH

KBE: 5638'
GLE: 5624'
TD: 5943'
PBD: 5896'

LEASE: ML-3037
API #: 43-047-32785

SURFACE HOLE & CASING:

HOLE SIZE: 12-1/4"
CSG. TYPE & SIZE: 8 5/8", 24# K-55
SETTING DEPTH: 373'
CEMENT: 200 SX. PREMIUM V
CEMENT TOP: SURFACE

GEOLOGIC MARKERS:

UINTA	SURFACE
GREEN RIVER	3167'
OIL SHALE	~3500-3945'

CEMENT TOP @ 2070'

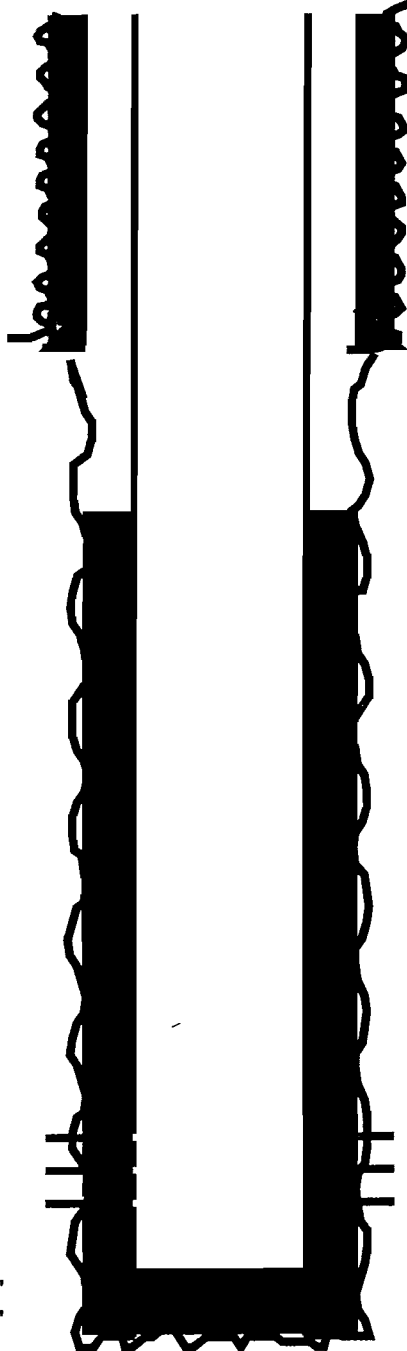
PERFORATIONS - GREEN RIVER FORMATION:

5620-26'
5666-70'
5682-92'

PRODUCTION HOLE AND CASING:

HOLE SIZE: 7 7/8"
CSG. TYPE & SIZE: 5 1/2", 15.5# K-55, ST&C
SETTING DEPTH: 5990'
CEMENT: 250 SX. HI-FILL CLASS H LEAD,
380 SX. CLASS H TAIL
CEMENT TOP: 2070'

PBD: 5896'
TD: 5943'



ATTACHMENT H



CORE LABORATORIES

LABORATORY TEST RESULTS

Job Number: 984104

Date: 02/02/98

CUSTOMER: Chevron USA, Inc.

PROJECT: M6PR 071493

ATTN: MIKE ALEXANDER

Customer Sample ID: Central Battery, Water Injection
Date Sampled.....:
Time Sampled.....:
Sample Matrix.....: Water

Laboratory Sample ID: 984104-3
Date Received.....: 01/23/98
Time Received.....: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 160.1	Solids, Total Dissolved (TDS), Total	9800		10	mg/L	01/26/98	mja
EPA 120.1	Specific Conductivity @ 25 degrees C, Total	14500		1	umhos/cm	01/27/98	mja
ASTM 1429-86	Specific Gravity, Total	1.0150		0.0001	g/cm3 @25C	01/29/98	adf
EPA 150.1	pH	8.16		0.01	pH Units	01/23/98	mja

ATTACHMENT L



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

April 8, 1998

Chevron U.S.A., Inc.
11002 East 17500 South
Vernal, Utah 84078-8526

Re: RWU 324 (23-16B) Well, 1274' FSL, 1838' FWL, SE SW, Sec. 16,
T. 7 S., R. 23 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33084.

Sincerely,

for John R. Baza
Associate Director

lwp

Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Chevron U.S.A. Production, Inc.
Well Name & Number: RWU 324 (23-16B)
API Number: 43-047-33084
Lease: ML-3037
Location: SE SW Sec. 16 T. 7 S. R. 23 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or John R. Baza at (801)538-5334.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated April 6, 1998 (copy attached).

(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil

Gas

☐ Well

☐ Well

☒ Other

Water Injection

2. Name of Operator

CHEVRON U.S.A. PRODUCTION COMPANY

3. Address and Telephone No.

11002 E. 17500 S., VERNAL, UT 84078-8526 (801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1274' FSL, 1838' FWL, SE/SW, Sec. 16, T7S, R23E.

5. Lease Designation and Serial No.

ML -3037

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Red Wash Unit

8. Well Name and No.

RWU #324(23-16B)

9. API Well No.

43-047-33084

10. Field and Pool, or Exploratory Area

Red Wash - Green River

11. County or Parish, State

Uintah, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other **APD Extension**

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Chevron hereby requests an extension of 1 year to the expiration date of the APD for RWU #324(23-16B) submitted on March 11, 1998 and approved on April 8, 1998.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 9/2/99

By: [Signature]

SEP - 2 1999

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Signed

Title

Date

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

FOR RECORD ONLY

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well Oil Gas <input type="checkbox"/> Well <input type="checkbox"/> Well <input checked="" type="checkbox"/> Other MULTIPLE WELLS SEE ATTACHED LIST	5. Lease Designation and Serial No.
2. Name of Operator CHEVRON U.S.A. INC.	6. If Indian, Allottee or Tribe Name N/A
3. Address and Telephone No 11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300	7. If Unit or CA, Agreement Designation RED WASH UNIT I-SEC NO 761
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	8. Well Name and No.
	9. API Well No.
	10. Field and Pool, or Exploratory Area RED WASH - GREEN RIVER
	11. County or Parish, State UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

As of January 1, 2000 Chevron U.S.A. INC. resigns as Operator of the Red Wash Unit.
The Unit Number is I-SEC NO 761 effective October 31, 1950.

The successor operator under the Unit Agreement will be
Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, CO 80202

Agreed and accepted to this 29th day of December, 1999

Shenandoah Energy Inc.

By: Mitchell L. Solich
President

RECEIVED

DEC 30 1999

DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed A. E. Wacker Title Assistant Secretary Date 12/29/99

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____
Conditions of approval, if any _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

FEB 07 2000

DIVISION OF
OIL, GAS AND MINING

IN REPLY REFER TO
UT-931

February 4, 2000

Shenandoah Energy Inc.
Attn: Rae Cusimano
475 17th Street, Suite 1000
Denver, Colorado 80202

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Red Wash Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:2/4/00

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attachment

Field or Unit name: _____ API no. _____

Well location: QQ _____ section _____ township _____ range _____ county _____

Effective Date of Transfer: _____

CURRENT OPERATOR

Transfer approved by:

Name R.K. Wackowski Company Chevron Production Co.

Signature [Signature] Address 100 Chevron Rd.

Title Unit Manager Rangely, Colo. 81648

Date 7/28/00 Phone (970) 675-3714

Comments:

NEW OPERATOR

Transfer approved by:

Name John Conley Company Shenandoah Energy Inc.

Signature [Signature] Address 11002 E. 17500 S.

Title District Manager Vernal, UT 84078

Date 7-21-00 Phone (435) 781-4300

Comments:

(State use only)

Transfer approved by [Signature] Title Tech. Services Manager

Approval Date 8-24-00

RECEIVED

AUG 9 2000

DIVISION OF

SHENANDOAH ENERGY INC.

11002 E. 17500 S.
VERNAL, UT 84078
PHONE: (435) 781-4300
FAX: (435) 781-4329

RED WASH UNIT

RW #11 (34-27B)	SWSE-27-7S-23E	43-047-15142
RW #14 (14-13B)	SWSW-13-7S-23E	43-047-15144
RW #148 (13-22B)	NWSW-22-7S-23E	43-047-15261
RW #156 (23-15B)	NESW-15-7S-23E	43-047-15267
RW #17 (41-20B)	NENE-20-7S-23E	43-047-15146
RW #173 (21-21B)	NENW-21-7S-23E	43-047-16496
RW #174 (21-20B)	NENW-20-7S-23E	43-047-15281
RW #182 (14-21B)	SWSW-21-7S-23E	43-047-16497
RW #183 (33-13B)	NWSE-13-7S-23E	43-047-15289
RW #185 (41-14B)	NENE-14-7S-23E	43-047-16498
RW #2 (14-24B)	SWSW-24-7S-23E	43-047-16472
RW #23 (21-23B)	NENW-23-7S-23E	43-047-15151
RW #25 (23-23B)	NESW-23-7S-23E	43-047-16476
RW #261 (23-17B)	NESW-17-7S-23E	43-047-32739
RW #264 (31-35B)	NWNE-35-7S-23E	43-047-30519
RW #268 (43-17B)	NESE-17-7S-23E	43-047-32980
RW #275 (31-26B)	NWNE-26-7S-23E	43-047-31077
RW #279 (11-36B)	NWNW-36-7S-23E	43-047-31052
RW #34 (-23-14B)	NESW-14-7S-23E	43-047-15161
RW #56 (41-28B)	NENE-28-7S-23E	43-047-15182
RW #59 (12-24B)	SWNW-24-7S-23E	43-047-16477
RW #6 (41-21B)	NENE-21-7S-23E	43-047-16482
RW #91 (33-22B)	NWSE-22-7S-23E	43-047-16479
RW #93 (43-27B)	NESE-27-7S-23E	43-047-16480
RW #134 (14-28B)	SWSW-28-7S-23E	43-047-16489
RW #139 (43-29B)	NESE-29-7S-23E	43-047-16490
RW #150 (31-22B)	NWSE-22-7S-23E	43-047-15263
RW #16 (43-28B)	NESE-28-7S-23E	43-047-16475
RW #170 (41-15B)	NENE-15-7S-23E	43-047-16495
RW #263 (24-26B)	SESW-26-7S-23E	43-047-30518
RW #265 (44-26B)	SESE-26-7S-23E	43-047-30520
RW #266 (33-26B)	NWSE-26-7S-23E	43-047-30521
RW #269 (13-26B)	NWSW-26-7S-23E	43-047-30522
RW #271 (42-35B)	SENE-35-7S-23E	43-047-31081
RW #68 (41-13B)	NENE-13-7S-23E	43-047-16485
RW #97 (23-18C)	NESW-18-7S-24E	43-047-15216
RW #7 (41-27B)	NENE-27-7S-23E	43-047-15205
RW #324 (23-16B)	NESW-16-7S-23E	
RW #301 (43-15B)	NESE-15-7S-23E	43-047-31682
RW #100A (43-21A)	NESE-21-7S-22E	43-047-15219
RW #199 (43-22A)	NESE-22-7S-22E	43-047-15301
RW #216 (21-27A)	NENW-21-7S-22E	43-047-30103
RW #258 (34-22A)	SWSE-22-7S-22E	43-047-30458
RW #202 (21-34A)	NENW-34-7S-22E	43-047-15303
RW 3215 (43-28A)	NESE-28-7S-22E	43-047-30058
RW #61 (12-27A)	SWNW-27-7S-22E	43-047-16478
RW #102 (41-24A)	NENE-24-7S-23E	43-047-15221
RW #88 (23-18B)	NESW-18-7S-23E	43-047-15210
RW #283 (43-18B)	NESE-18-7S-23E	43-047-32982
RW #52 (14-18B)	SWSW-18-7S-23E	43-047-15178
RW #161 (14-20B)	SWSW-20-7S-23E	43-047-15271

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH	4-KAS ✓
2. CDW	5- SM ✓
3. JLT	6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective:

01/01/2000**FROM:** (Old Operator):

CHEVRON USA INC

Address: 11002 E. 17500 S.

VERNAL, UT 84078-8526

Phone: 1-(435)-781-4300

Account No. N0210

TO: (New Operator):

SHENANDOAH ENERGY INC

Address: 11002 E. 17500 S.

VERNAL, UT 84078

Phone: 1-(435)-781-4300

Account No. N4235

WELL(S) NAME	CA No.		Unit: RED WASH			
	API	ENTITY	SECTION	TOWNSHIP	RANGE	LEASE
RWU 100A (43-21A) (wiw)	43-047-15219	5670	21	07S	22E	FEDERAL
RWU 216 (21-27A) (wiw)	43-047-30103	99996	21	07S	22E	FEDERAL
RWU 199 (43-22A) (wiw)	43-047-15301	99996	22	07S	22E	FEDERAL
RWU 61 (12-27A) (wiw)	43-047-16478	99996	27	07S	22E	FEDERAL
RWU 215 (43-28A) (wiw)	43-047-30058	99996	28	07S	22E	FEDERAL
RWU 202 (21-34A) (wiw)	43-047-15303	99996	34	07S	22E	FEDERAL
RWU 68 (41-13B) (wiw)	43-047-16485	99996	13	07S	23E	FEDERAL
RWU 170 (41-15B) (wiw)	43-047-16495	99996	15	07S	23E	FEDERAL
RWU 324 (23-16B) (wiw)	43-047-33084	99999	16	07S	23E	FEDERAL
RWU 88 (23-18B) (wiw)	43-047-15210	5670	18	07S	23E	FEDERAL
RWU 150 (31-22B) (wiw)	43-047-15263	99996	22	07S	23E	FEDERAL
RWU 102 (41-24A) (wiw)	43-047-15221	5670	24	07S	23E	FEDERAL
RWU 263 (24-26B) (wiw)	43-047-30518	99996	26	07S	23E	FEDERAL
RWU 265 (44-26B) (wiw)	43-047-30520	99996	26	07S	23E	FEDERAL
RWU 266 (33-26B) (wiw)	43-047-30521	99996	26	07S	23E	FEDERAL
RWU 269 (13-26B) (wiw)	43-047-30522	99996	26	07S	23E	FEDERAL
RWU 93 (43-27B) (wiw)	43-047-16480	99996	27	07S	23E	FEDERAL
RWU 134 (14-28B) (wiw)	43-047-16489	99996	28	07S	23E	FEDERAL
RWU 16 (43-28B) (wiw)	43-047-16475	99996	29	07S	23E	FEDERAL
RWU 139 (43-29B) (wiw)	43-047-16490	99996	29	07S	23E	FEDERAL
RWU 271 (42-35B) (wiw)	43-047-31081	5670	35	07S	23E	FEDERAL
RWU 97 (23-18C) (wiw)	43-047-15216	99996	18	07S	24E	FEDERAL

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/30/19992. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08/09/20003. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 08/23/2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
☒ Well ☐ Well ☐ Other

2. Name of Operator
SHENANDOAH ENERGY INC

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4341

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1274' FSL, 1838' FWL SW/NE, Sec. 16, T7S, R23E

5. Lease Designation and Serial No.

ML-3037

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

RED WASH UNIT

8. Well Name and No.

RWU #324 (23-16B)

9. API Well No.

43-047-33084

10. Field and Pool, or Exploratory Area

RED WASH - GREEN RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other APD Extension

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Shenandoah Energy Inc. hereby requests an 1 year extension on the RWU #324 (23-16B).

COPY SENT TO OPERATOR
Date: 10-4-00
Initials: CHD

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 10/4/00
By: [Signature]

RECEIVED

SEP 29 2000

**DIVISION OF
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct.

Signed **JOHN BUSCH** John Busch

Title **OPERATIONS REPRESENTATIVE**

Date **9/27/00**

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See instruction on Reverse Side**

ENTITY ACTION FORM - FORM 6

OPERATOR: **Shenandoah Energy, Inc.**
ADDRESS: **11002 East 17500 South**
Vernal, Utah 84078-8526

OPERATOR ACCT. No. _____

(801)781-4300


Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	99999	05670	43-047-33084	Red Wash Unit 23-16B	SE SW	16	7S	23E	Uintah	10/17/00	
WELL 1 COMMENTS: New well drilled in the Red Wash Unit. 11-9-00											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

(3/89)


Signature

Office Manager. 11/07/00
Title Date

Phone No. **(801) 781-4306**

RECEIVED
NOV 15 2000
DIVISION OF
OIL, GAS AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas
☐ Well ☐ Well ☒ Other WATER INJECTION

CONFIDENTIAL

2. Name of Operator

SHENANDOAH ENERGY, INC

3. Address and Telephone No

11002 E. 17500 S. VERNAL, UT 84078-8526

(801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1274' FSL, 1838' FWL, SE SW, SECTION 16, T7S, R23E, SLBM

5. Lease Designation and Serial No.

ML-3037

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

RED WASH UNIT

8. Well Name and No.

RED WASH UNIT 324 (23-16B)

9. API Well No.

43-047-33084

10. Field and Pool, or Exploratory Area

RED WASH - GREEN RIVER

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut-Off
☐ Altering Casing ☐ Conversion to Injection
☒ Other SPUD DATE ☐ Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

THIS WELL WAS SPUD OCTOBER 17, 2000. DRILL 456' OF 12 1/4" HOLE. RUN 11 JTS OF 9 5/8" 36# K55 CSG TO 450.6'.

RECEIVED

NOV 09 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Signed D. C. BEAMAN

Title OFFICE MANAGER

Date

11/06/00

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. RWU 23-16B/ 324
2. Name of Operator SHENANDOAH ENERGY INC		9. API Well No. 43-047-33084
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435.781.4300	10. Field and Pool, or Exploratory RED WASH
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 16 T7S R23E SESW 1274FSL 1838FWL		11. County or Parish, and State UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Suspension of Operations and/or Production
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Suspended drilling operations.

This well was **spud 10/17/2000** with surface casing set to 449'. Drilling this well has been suspended pending geologic evaluation.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 1/14/02
BY: [Signature]

COPY SENT TO OPERATOR
Date: 1-14-02
Initials: CHD

14. I hereby certify that the foregoing is true and correct. Electronic Submission #9973 verified by the BLM Well Information System For SHENANDOAH ENERGY INC, sent to the Vernal	
Name (Printed/Typed) J.T. CONLEY	Title DIVISION MANAGER
Signature (Electronic Submission)	Date 01/07/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. ML-3037		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator SHENANDOAH ENERGY INC			7. Unit or CA Agreement Name and No. 8920007610		
3. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078			8. Lease Name and Well No. RWU 23-16B		
3a. Phone No. (include area code) Ph: 435.781.4300			9. API Well No. 43-047-33084		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 1274FSL 1838FWL At top prod interval reported below SESW 1274FSL 1838FWL At total depth SESW 1274FSL 1838FWL			10. Field and Pool, or Exploratory RED WASH		
			11. Sec., T., R., M., or Block and Survey or Area Sec 16 T7S R23E Mer SLB		
			12. County or Parish UINTAH		13. State UT
14. Date Spudded 10/17/2004		15. Date T.D. Reached 10/17/2000	16. Date Completed <input checked="" type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod. 10/17/2000		17. Elevations (DF, KB, RT, GL)* 5580 GL
18. Total Depth: MD TVD 449		19. Plug Back T.D.: MD TVD 449		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 K-55	36.0	0	449		175		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) UINTA	0	0				
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/17/2000	10/17/2000	0	→	0.0	0.0	0.0			OTHER
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 0.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	DSI

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #10080 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
OTHER

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth

32. Additional remarks (include plugging procedure):

Well spudded and surface casing set to 449'. Drilling suspended pending further geologic evaluation.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #10080 Verified by the BLM Well Information System.
For SHENANDOAH ENERGY INC, sent to the Vernal

Name (please print) J.T. CONLEYTitle DIVISION MANAGER

Signature _____ (Electronic Submission)

Date 01/16/2002

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

May 28, 2003

Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,



Frank Nielsen
Division Landman

Enclosure

RECEIVED

JUN 02 2003

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed its name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Red Wash Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Red Wash Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron
UT922:TAThompson:tt:6/9/03

JUL 07 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc.
1050 17th Street Suite 500
Denver, Colorado 80265

:
: Oil and Gas
: lease
:

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this notice.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/ Wilbert B. Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning,
Use and Protection

bc: JFO,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Uinta Basin
MFU

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number <u>See Attached List</u>	API Number
Location of Well Footage : County : <u>Uintah</u> QQ, Section, Township, Range: State : <u>UTAH</u>	Field or Unit Name <u>Red Wash</u> Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: _____

CURRENT OPERATOR

Company: <u>Shenandoah Energy Inc.</u>	Name: <u>John Busch</u>
Address: <u>11002 East 17500 South</u>	Signature: <u>John Busch</u>
<u>city Vernal</u> state <u>UT</u> zip <u>84078</u>	Title: <u>District Foreman</u>
Phone: <u>(435) 781-4300</u>	Date: <u>9-02-03</u>
Comments:	

NEW OPERATOR

Company: <u>QEP Uinta Basin, Inc.</u>	Name: <u>John Busch</u>
Address: <u>11002 East 17500 South</u>	Signature: <u>John Busch</u>
<u>city Vernal</u> state <u>UT</u> zip <u>84078</u>	Title: <u>District Foreman</u>
Phone: _____	Date: <u>9-02-03</u>
Comments:	

(This space for State use only)

Transfer approved by: [Signature]
Title: Public Services Manager

Approval Date: 9-10-03

Comments: Case #105-01
located in Indian Country, EPA
is primary use agency.

RECEIVED

SEP 04 2003

DIV. OF OIL, GAS & MINING

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	Field	Footages
RED WASH UNIT 261	17	070S	230E	4304732739	5670	Federal	WI	A	Red Wash	1785 FSL, 1843 FWL
RWU 100-A (43-21A)	21	070S	220E	4304715219	5670	Federal	WI	A	Red Wash	1787 FSL, 534 FEL
RWU 102 (41-24A)	24	070S	220E	4304715221	5670	Federal	WI	A	Red Wash	1360 FNL, 660 FEL
RWU 11	27	070S	230E	4304715142	5670	Federal	WI	A	Red Wash	660 FSL, 2030 FEL
RWU 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	Red Wash	618 FNL, 477 FWL
RWU 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	Red Wash	761 FNL, 677 FWL
RWU 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	Red Wash	1206 FNL, 491 FWL
RWU 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	Red Wash	786 FNL, 819 FWL
RWU 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	Red Wash	590 FNL, 787 FWL
RWU 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	Red Wash	1528 FNL, 930 FWL
RWU 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	Red Wash	1802 FSL, 374 FWL
RWU 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	Red Wash	2143' FSL, 704' FWL
RWU 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	Red Wash	1446 FSL, 664 FWL
RWU 14 (14-13B)	13	070S	230E	4304715144	5670	Federal	WI	A	Red Wash	660 FSL, 660 FWL
RWU 148 (13-22B)	22	070S	230E	4304715261	5670	Federal	WI	A	Red Wash	2073 FSL, 660 FWL
RWU 150 (31-22B)	22	070S	230E	4304715263	5670	Federal	WI	I	Red Wash	595 FNL, 1935 FEL
RWU 156 (23-15B)	15	070S	230E	4304715267	5670	Federal	WI	A	Red Wash	2115 FSL, 1982 FWL
RWU 16 (43-28B)	28	070S	230E	4304716475	5670	Federal	WI	I	Red Wash	1980 FSL, 660 FEL
RWU 161 (14-20B)	20	070S	230E	4304715271	5670	Federal	WI	I	Red Wash	660 FSL, 678 FWL
RWU 17 (41-20B)	20	070S	230E	4304715146	5670	Federal	WI	A	Red Wash	660 FNL, 660 FEL
RWU 170 (41-15B)	15	070S	230E	4304716495	5670	Federal	WI	I	Red Wash	660 FNL, 660 FEL
RWU 173 (21-21B)	21	070S	230E	4304716496	5670	Federal	WI	A	Red Wash	660 FNL, 1980 FWL
RWU 174 (21-20B)	20	070S	230E	4304715281	5670	Federal	WI	A	Red Wash	660 FNL, 1980 FWL
RWU 182 (14-21B)	21	070S	230E	4304716497	5670	Federal	WI	A	Red Wash	629 FSL, 652 FWL
RWU 183 (33-13B)	13	070S	230E	4304715289	5670	Federal	WI	A	Red Wash	1833 FSL, 2027 FEL
RWU 185 (41-1B)	14	070S	230E	4304716498	5670	Federal	WI	A	Red Wash	747 FNL, 660 FEL
RWU 199 (43-22A)	22	070S	220E	4304715301	5670	Federal	WI	A	Red Wash	1980 FSL, 658 FEL
RWU 2 (14-24B)	24	070S	230E	4304716472	5670	Federal	WI	A	Red Wash	735 FSL, 790 FWL
RWU 202 (21-34A)	34	070S	220E	4304715303	5670	Federal	WI	I	Red Wash	660 FNL, 1980 FWL
RWU 213 (41-33B)	33	070S	230E	4304720060	5670	Federal	WD	A	Red Wash	660 FNL, 580 FEL
RWU 215 (43-28A)	28	070S	220E	4304730058	5670	Federal	WI	A	Red Wash	1980' FSL, 661 FEL
RWU 216 (21-27A)	27	070S	220E	4304730103	5670	Federal	WI	A	Red Wash	660 FNL, 1976 FWL
RWU 23 (21-23B)	23	070S	230E	4304715151	5670	Federal	WI	A	Red Wash	695 FNL, 2015 FWL
RWU 23-18C (97)	18	070S	240E	4304715216	5670	Federal	WI	I	Red Wash	1956 FSL, 1699 FWL
RWU 25 (23-23B)	23	070S	230E	4304716476	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 258 (34-22A)	22	070S	220E	4304730458	5670	Federal	WI	A	Red Wash	885 FSL, 2025 FEL

RWU 263 (24-26B)	26	070S	230E	4304730518	5670 Federal	WI	I	Red Wash	591 FSL, 2007 FWL
RWU 264 (31-35B)	35	070S	230E	4304730519	5670 Federal	WI	A	Red Wash	687 FNL, 2025 FEL
RWU 266 (33-26B)	26	070S	230E	4304730521	5670 Federal	WI	I	Red Wash	1980 FSL, 1980 FEL
RWU 268 (43-17B)	17	070S	230E	4304732980	5670 Federal	WI	A	Red Wash	1924 FSL, 981 FEL
RWU 269 (13-26B)	26	070S	230E	4304730522	5670 Federal	WI	I	Red Wash	2170' FSL, 670' FWL
RWU 271 (42-35B)	35	070S	230E	4304731081	5670 Federal	WI	I	Red Wash	1979 FNL, 660 FEL
RWU 274 (13-25B)	25	070S	230E	4304731083	5670 Federal	WI		Red Wash	2129 FSL, 659 FWL
RWU 275 (31-26B)	26	070S	230E	4304731077	5670 Federal	WI	A	Red Wash	675 FNL, 1869 FEL
RWU 279 (11-36B)	36	070S	230E	4304731052	5670 Federal	WI	A	Red Wash	659 FNL, 660 FWL
RWU 283 (43-18B)	18	070S	230E	4304732982	5670 Federal	WI	A	Red Wash	1899 FSL, 708 FEL
RWU 31-19B	19	070S	230E	4304733555	5670 Federal	WI	A	Red Wash	601 FNL, 1770 FEL
RWU 31-25A	25	070S	220E	4304733577	5670 Federal	WI	A	Red Wash	1248 FNL, 2159 FEL
RWU 31-30B	30	070S	230E	4304733788	5670 Federal	WI	A	Red Wash	950 FNL, 1943 FEL
RWU 33-19B	19	070S	230E	4304733499	5670 Federal	WI	A	Red Wash	2606 FSL, 1851 FEL
RWU 33-20B	20	070S	230E	4304733500	5670 Federal	WI	A	Red Wash	2210 FSL, 2295 FEL
RWU 33-25A	25	070S	220E	4304733578	5670 Federal	WI	A	Red Wash	1413 FSL, 1809 FEL
RWU 33-30B	30	070S	230E	4304733790	5670 Federal	WI	A	Red Wash	1775 FSL, 1937 FEL
RWU 34 (23-14B)	14	070S	230E	4304715161	5670 Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 34-13A	13	070S	220E	4304733593	5670 Federal	WI	A	Red Wash	1302 FSL, 1725 FEL
RWU 34-24A	24	070S	220E	4304733568	5670 Federal	WI	A	Red Wash	1295 FSL, 2125 FEL
RWU 48 (32-19B)	19	070S	230E	4304715174	5670 Federal	WI	I	Red Wash	1830 FNL, 1980 FEL
RWU 56 (41-28B)	28	070S	230E	4304715182	5670 Federal	WI	A	Red Wash	660 FNL, 660 FEL
RWU 59 (12-24B)	24	070S	230E	4304716477	5670 Federal	WI	A	Red Wash	1980 FNL, 660 FWL
RWU 6 (41-21B)	21	070S	230E	4304716482	5670 Federal	WI	A	Red Wash	660' FNL, 660 FEL
RWU 61 (12-27A)	27	070S	220E	4304716478	5670 Federal	WI	I	Red Wash	2034 FNL, 689 FWL
RWU 68 (41-13B)	13	070S	230E	4304716485	5670 Federal	WI	I	Red Wash	660 FNL, 660 FEL
RWU 7 (41-27B)	27	070S	230E	4304716473	5670 Federal	WI	I	Red Wash	567 FNL, 621 FEL
RWU 88 (23-18B)	18	070S	230E	4304715210	5670 Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 91 (33-22B)	22	070S	230E	4304716479	5670 Federal	WI	A	Red Wash	1980 FSL, 3300 FWL
RWU 93 (43-27B)	27	070S	230E	4304716480	5670 Federal	WI	I	Red Wash	660 FSL, 660 FEL
RWU 324 (23-16B)	16	070S	230E	4304733084	5670 State	WI	I	Red Wash	1274 FSL, 1838 FWL

3. FILE

Designation of Agent/Operator

Merger

2/1/2003

TO: (New Operator):

N2460-QEP Uinta Basin Inc
11002 E 17500 S
Vernal, UT 84078-8526

Phone: (435) 781-4341

RED WASH UNIT

WELL(S)

[illegible]

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/19/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151
5. If **NO**, the operator was **contacted** contacted on:

6. (R649-9-2)Waste Management Plan has been received on:

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/10/2003

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 9/16/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/16/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

Sent To Dahn Caldwell 1-13-05

TOPS R23E S-16

Utah Division of Oil, Gas and Mining
DRILLING OPERATIONS SUSPENDED

NOTICE TO OPERATORS:

In order to more accurately monitor wells where drilling operations have been suspended, the Division has changed the statuses of the following wells from Temporarily Abandoned to Operations Suspended in our databases.

These wells will no longer appear on your Monthly Oil and Gas Production Report, Form 10. Therefore, it will now be the operator's responsibility to provide a monthly status report for such wells in accordance with Rule R649-3-6.2.4, which states:

The operator shall submit a monthly status report for each drilling well on Form 9, Sundry Notices and Reports on Wells. The report should include the well depth and a description of the operations conducted on the well during the month. The report shall be submitted no later than the fifth day of the following calendar month until such time as the well is completed and the well completion report is filed.

Your assistance is appreciated. If you have questions regarding this matter, please feel free to call (801) 538-5275.

Operator	Well Name	API Number	Permit Date	Spud Date - Dry	Spud Date - Rotary	Measured Depth	Lease Type
QEP UINTA BASIN, INC.	WV 5W-12-8-21	4304734270	09/05/01		11/28/01	473	Federal
QEP UINTA BASIN, INC.	WV 2W-12-8-21	4304734265	09/05/01		11/29/01	473	Federal
QEP UINTA BASIN, INC.	RWU 324 (23-16B)	4304733084	04/08/98	10/17/00		449	State

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 3037
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: Redwash Unit
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: RWU 23-16B
2. NAME OF OPERATOR: QEP Uinta Basin, Inc. kirk.fleetwood@questar.com		9. API NUMBER: 4304733084
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. Vernal UT 84078	PHONE NUMBER: (435) 781-4341	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1274' FSL, 1838' FWL, SESW, SECTION 16, T7S, R23E, SLBM QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: Uintah STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP requests approval to Plug and Abandon the above referenced well using the following procedure:

1. RIH with 1" tubing to bottom of casing (9 5/8" 36# @ 449')
2. Fill casing with cement.
3. Cut off casing 3' below surface and install dryhole marker.

It is anticipated that plugging operations will begin within 60 days of receiving UDOGM approval.

2-24-06
CHD

NAME (PLEASE PRINT) <u>Kirk Fleetwood</u>	TITLE <u>Petroleum Engineer</u>
SIGNATURE <u>Kirk Fleetwood</u>	DATE <u>2/14/06</u>

(This space for State use only)

RECEIVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
2/21/06
*See Conditions of Approval (Attached)

FEB 16 2006



State of Utah

Department of
Natural Resources

MICHAEL R. STYLER
Executive Director

Division of
Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: RWU 23-16B
API Number: 43-047-33084
Operator: QEP Uinta Basin, Inc.
Reference Document: Original Sundry Notice dated February 14, 2006,
received by DOGM on February 16, 2006

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. Form 8 – Well Completion or Recompletion Report and Log shall be submitted to the Division upon completion of work.
3. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
4. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (Office) or 801-733-0983 (Home) prior to continuing with the procedure.
5. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet
Petroleum Engineer

February 21, 2006

Date

API Well No: 43-047-33084-00-00 Permit No: UIC-217.1 Well Name/No: RWU 324 (23-16B)

Company Name: QEP UINTA BASIN, INC.

Location: Sec: 16 T: 7S R: 23E Spot: SESW

Coordinates: X: 641756 Y: 4451724

Field Name: RED WASH

County Name: UINTAH

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (ft/c)
HOLI	449	12.25	0		
SURF	449	9.625	36	449	2,304

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
SURF	449	0	UK	175

Plug 1

$$449' / (2.304) (1.18) = \underline{\underline{165 \text{ SX}}}$$

Perforation Information

Formation Information

Formation Depth

Cement from 449 ft. to surface

Surface: 9.625 in. @ 449 ft.

Hole: 12.25 in. @ 449 ft.

TD: 449 TVD: PBD: 449

Operator	Well Name	API Number	Permit Date	Spud Date - Dry	Spud Date - Rotary	Measured Depth	Lease Type
QUESTAR EXPLORATION & Operations suspended eff 11/28/2001 at 473 ft; pend geologic eval; accepted by DKD, FED approval necessary. 20071105 OPS ext Accepted by Ut	WV 5W-12-8-21	4304734270	09/05/01		11/28/01	473	Federal
QUESTAR EXPLORATION & Operations suspended eff 11/29/2001 at 473 ft. pend geologic eval; accepted by DKD, FED approval necessary. 20071105 OPS ext Accepted by Ut	WV 2W-12-8-21	4304734265	09/05/01		11/29/01	473	Federal
QUESTAR EXPLORATION & 03122007 Operations suspended, effective 03/12/2007; set conductor pipe 40 ft: 20071105 OPS ext Accepted by Ut Dogm, Fed approval necessary:	WV 3W-12-8-21	4304734267	09/05/01		09/25/03	40	Federal
QUESTAR EXPLORATION & 20071211 Drilling Reports, Schedule for drilling in 2009: 20071105 Drig ext Accepted by Ut Dogm, Federal approval necessary: 20071211 Operation	WV 9W-11-8-21	4304734274	09/05/01		09/26/03	40	Federal
QUESTAR EXPLORATION & Operations suspended eff 10/17/2000; surf casing set; pending Geo Eval; apprvd by DKD, 1/14/2002.	RW 23-16B	4304733084	04/08/98	10/17/00		449	State
QUESTAR EXPLORATION & 20071211 Drilling Reports, : 20071105 Drilling extension Accepted by Ut Dogm, Fed aproval necessary: 20071211 Operation Suspended eff 11-5-07;	WV 8W-1-8-21	4304734009	04/10/01	06/16/03		40	Federal
QUESTAR EXPLORATION & 20070209 Drilling reports, Schedule for drilling: 20071105 Conductor chg Accepted by Ut Dogm, Fed approval necessary: 20071211 Operation	OU SG 4W-11-8-22	4304735071	07/02/03	06/11/05		80	Federal
QUESTAR EXPLORATION & 20070209 Drilling reports, Schedule for drilling: 20071105 Conductor chg Accepted by Ut Dogm, Fed approval necessary: 20071211 Operation	OU SG 5W-11-8-22	4304735072	07/02/03	06/11/05		80	Federal
QUESTAR EXPLORATION & 20070209 Drilling Reports, Schedule for drilling: 20071025 Conductor chg Accepted by Ut Dogm, Fed approval necessary: 20071211 Operation	OU SG 14W-11-8-22	4304735114	08/20/03	06/16/05		80	Federal
QUESTAR EXPLORATION & 20070209 Drilling Reports, Schedule for drilling: 20071105 Conductor chg Accepted by Ut Dogm, Federal approval necessary: 20071211 Operation	OU SG 13W-11-8-22	4304735377	12/04/03	06/16/05		80	Federal
QUESTAR EXPLORATION & 20070209 Drilling reports, set conductor on 6-27-05, schedule to drill: 20071105 Conductor chg Accepted by Ut Dogm, Fed aproval: 20071211 Operation	GH 16W-19-8-21	4304735325	10/30/03	06/27/05		80	Federal
QUESTAR EXPLORATION & 20070209 Drilling Reports, Schedule for drilling: 20071105 Conductor chg Accepted by Ut Dogm, Federal approval necessary: 20071211 Operation	OU GB 8MU-10-8-22	4304735422	01/08/04	03/22/06		80	Federal
QUESTAR EXPLORATION & 20060911 Drilling reports, set conductor pipe 40 ft: 03122007 Operations suspended, effective 03/12/2007: 20071105 Conductor chg Accepted by Ut	RW 22G-09F	4304735656	04/27/04	08/23/06		40	Federal

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2007

FROM: (Old Operator): N2460-QEP Uinta Basin, Inc. 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 672-6900	TO: (New Operator): N5085-Questar E&P Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 672-6900
---	--

CA No.				Unit:		RED WASH UNIT		
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 4/30/2007 and 5/15/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/30/2007 and 5/15/2007
- Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
- Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
- Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 799446
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS: THIS IS A COMPANY NAME CHANGE.

SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 1 (41-26B)	RW 41-26B	NENE	26	070S	230E	4304715135	5670	Federal	OW	TA
RWU 3 (34-23B)	RW 34-23B	SWSE	23	070S	230E	4304715136	5670	Federal	OW	P
RWU 4 (41-22B)	RW 41-22B	NENE	22	070S	230E	4304715137	5670	Federal	OW	TA
RWU 5 (41-23B)	RW 41-23B	NENE	23	070S	230E	4304715138	5670	Federal	OW	P
RWU 8 (32-22B)	RW 32-22B	SWNE	22	070S	230E	4304715139	5670	Federal	OW	P
RWU 9 (43-23B)	RW 43-23B	NESE	23	070S	230E	4304715140	5670	Federal	OW	P
RWU 10 (12-23B)	RW 12-23B	SWNW	23	070S	230E	4304715141	5670	Federal	OW	TA
RWU 11	RW 34-27B	SWSE	27	070S	230E	4304715142	99996	Federal	WI	A
RWU 13 (14-22B)	RW 14-22B	SWSW	22	070S	230E	4304715143	5670	Federal	OW	TA
RW 14-13B	RW 14-13B	SWSW	13	070S	230E	4304715144	99996	Federal	WI	A
RWU 15 (32-17C)	RW 32-17C	SWNE	17	070S	240E	4304715145	5670	Federal	OW	P
RWU 17 (41-20B)	RW 41-20B	NENE	20	070S	230E	4304715146	5670	Federal	WI	A
RWU 19 (34-26B)	RW 34-26B	SWSE	26	070S	230E	4304715148	5670	Federal	GW	S
RWU 21 (32-14B)	RW 32-14B	SWNE	14	070S	230E	4304715150	5670	Federal	OW	P
RWU 23 (21-23B)	RW 21-23B	SENW	23	070S	230E	4304715151	99996	Federal	WI	A
RWU 24 (34-14B)	RW 34-14B	SWSE	14	070S	230E	4304715152	5670	Federal	OW	S
RWU 26 (23-22B)	RW 23-22B	NESW	22	070S	230E	4304715153	5670	Federal	OW	TA
RWU 27 (43-14B)	RW 43-14B	NESE	14	070S	230E	4304715154	5670	Federal	OW	TA
RWU 28 (43-22B)	RW 43-22B	NESE	22	070S	230E	4304715155	5670	Federal	OW	P
RWU 29 (32-23B)	RW 32-23B	SWNE	23	070S	230E	4304715156	5670	Federal	OW	P
RW 23-13B	RW 23-13B	NESW	13	070S	230E	4304715157	5670	Federal	GW	TA
RWU 31 (34-22B)	RW 34-22B	SWSE	22	070S	230E	4304715158	5670	Federal	OW	P
RWU 33 (14-14B)	RW 14-14B	SWSW	14	070S	230E	4304715160	5670	Federal	GW	TA
RWU 34 (23-14B)	RW 23-14B	NESW	14	070S	230E	4304715161	99996	Federal	WI	A
RW 43-13B	RW 43-13B	NESE	13	070S	230E	4304715162	5670	Federal	OW	TA
RWU 36 (32-13B)	RW 32-13B	SWNE	13	070S	230E	4304715163	5670	Federal	GW	P
RWU 38 (14-23B)	RW 14-23B	SWSW	23	070S	230E	4304715165	5670	Federal	OW	P
RWU 39 (14-24A)	RW 14-24A	SWSW	24	070S	220E	4304715166	5670	Federal	OW	TA
RWU 40 (21-24B)	RW 21-24B	NENW	24	070S	230E	4304715167	5670	Federal	OW	TA
RWU 41 (34-13B)	RW 34-13B	SWSE	13	070S	230E	4304715168	5670	Federal	OW	P
RWU 42 (21-29C)	RW 21-29C	NENW	29	070S	240E	4304715169	5670	Federal	GW	P
RWU 43 (12-17B)	RW 12-17B	SWNW	17	070S	230E	4304715170	5670	Federal	OW	P
RWU 44 (32-33C)	RW 32-33C	SWNE	33	070S	240E	4304715171	5670	Federal	GW	P
RWU 45 (23-30B)	RW 23-30B	NESW	30	070S	230E	4304715172	5670	Federal	OW	TA
RWU 46 (41-21C)	RW 41-21C	NENE	21	070S	240E	4304715173	5670	Federal	GW	TA
RWU 48 (32-19B)	RW 32-19B	SWNE	19	070S	230E	4304715174	99996	Federal	WI	I
RWU 49 (12-29B)	RW 12-29B	SWNW	29	070S	230E	4304715175	5670	Federal	OW	TA
RWU 50 (14-23A)	RW 14-23A	SWSW	23	070S	220E	4304715176	5670	Federal	OW	P
RWU 52 (14-18B)	RW 14-18B	SWSW	18	070S	230E	4304715178	5670	Federal	OW	TA
RWU 53 (41-25A)	RW 41-25A	NENE	25	070S	220E	4304715179	5670	Federal	OW	TA
RWU 56 (41-28B)	RW 41-28B	NENE	28	070S	230E	4304715182	99996	Federal	WI	A

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 57 (12-18C)	RW 12-18C	SWNW	18	070S	240E	4304715183	5670	Federal	OW	P
RWU 63 (21-22B)	RW 21-22B	NENW	22	070S	230E	4304715186	5670	Federal	GW	TA
RWU 64 (32-27B)	RW 32-27B	SWNE	27	070S	230E	4304715187	5670	Federal	OW	TA
RWU 66 (34-18B)	RW 34-18B	SWSE	18	070S	230E	4304715189	5670	Federal	OW	P
RWU 67 (42-22B)	RW 42-22B	SENE	22	070S	230E	4304715190	5670	Federal	OW	TA
RWU 69 (21-27B)	RW 21-27B	NENW	27	070S	230E	4304715191	5670	Federal	OW	TA
RWU 70 (23-22A)	RW 23-22A	NESW	22	070S	220E	4304715192	5670	Federal	OW	P
RWU 71 (21-18C)	RW 21-18C	NENW	18	070S	240E	4304715193	5670	Federal	OW	P
RWU 72 (23-27B)	RW 23-27B	NESW	27	070S	230E	4304715194	5670	Federal	OW	TA
RWU 74 (12-13B)	RW 12-13B	SWNW	13	070S	230E	4304715196	5670	Federal	GW	S
RWU 75 (21-26B)	RW 21-26B	NENW	26	070S	230E	4304715197	5670	Federal	OW	TA
RWU 76 (32-18C)	RW 32-18C	SWNE	18	070S	240E	4304715198	5670	Federal	GW	P
RWU 77 (21-13B)	RWU 77 (21-13B)	NENW	13	070S	230E	4304715199	5670	Federal	OW	P
RWU 78 (32-28B)	RW 32-28B	SWNE	28	070S	230E	4304715200	5670	Federal	OW	P
RWU 79 (12-27B)	RW 12-27B	SWNW	27	070S	230E	4304715201	5670	Federal	OW	TA
RWU 80 (14-27B)	RW 14-27B	SWSW	27	070S	230E	4304715202	5670	Federal	OW	S
RWU 81 (41-31B)	RW 41-31B	NENE	31	070S	230E	4304715203	5670	Federal	OW	P
RWU 83 (41-27A)	RW 41-27A	NENE	27	070S	220E	4304715205	5670	Federal	OW	P
RWU 84 (44-14B)	RW 44-14B	SESE	14	070S	230E	4304715206	5670	Federal	GW	P
RWU 88 (23-18B)	RW 23-18B	NESW	18	070S	230E	4304715210	5670	Federal	WI	A
RWU 90 (43-21B)	RW 43-21B	NESE	21	070S	230E	4304715211	5670	Federal	OW	P
RWU 92 (11-23B)	RW 11-23B	NWNW	23	070S	230E	4304715212	5670	Federal	OW	TA
RWU 94 (12-22A)	RW 12-22A	SWNW	22	070S	220E	4304715213	5670	Federal	OW	P
RWU 23-18C (97)	RW 23-18C	NESW	18	070S	240E	4304715216	99996	Federal	WI	I
RWU 99 (12-22B)	RW 12-22B	SWNW	22	070S	230E	4304715218	5670	Federal	OW	P
RWU 100-A (43-21A)	RW 43-21A	NESE	21	070S	220E	4304715219	5670	Federal	WI	A
RWU 101 (34-21B)	RW 34-21B	SWSE	21	070S	230E	4304715220	5670	Federal	OW	P
RWU 102 (41-24A)	RW 41-24A	SENE	24	070S	220E	4304715221	5670	Federal	WI	A
RWU 103 (34-15B)	RW 34-15B	SWSE	15	070S	230E	4304715222	5670	Federal	OW	P
RWU 108 (32-21B)	RW 32-21B	SWNE	21	070S	230E	4304715226	5670	Federal	OW	P
RWU 109 (21-28B)	RW 21-28B	NENW	28	070S	230E	4304715227	5670	Federal	OW	P
RWU 110 (23-23A)	RW 23-23A	NESW	23	070S	220E	4304715228	5670	Federal	OW	P
RWU 111 (32-24A)	RW 32-24A	SWNE	24	070S	220E	4304715229	5670	Federal	OW	S
RWU 112 (32-28A)	RW 32-28A	SWNE	28	070S	220E	4304715230	5670	Federal	OW	S
RWU 115 (21-19B)	RW 21-19B	NENW	19	070S	230E	4304715233	5670	Federal	OW	P
RWU 119 (43-29A)	RW 43-29A	NESE	29	070S	220E	4304715236	5670	Federal	OW	P
RWU 120 (23-28B)	RW 23-28B	NESW	28	070S	230E	4304715237	5670	Federal	OW	TA
RW 13-13B	RW 13-13B	NWSW	13	070S	230E	4304715238	5670	Federal	GW	P
RWU 122 (24-14B)	RW 24-14B	SESW	14	070S	230E	4304715239	5670	Federal	OW	P
RWU 125 (34-19B)	RW 34-19B	SWSE	19	070S	230E	4304715242	5670	Federal	OW	TA
RWU 126 (41-29A)	RW 41-29A	NENE	29	070S	220E	4304715243	5670	Federal	OW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 127 (12-19B)	RW 12-19B	SWNW	19	070S	230E	4304715244	5670	Federal	OW	S
RWU 129 (14-15B)	RW 14-15B	SWSW	15	070S	230E	4304715246	5670	Federal	OW	P
RWU 133 (41-34B)	RW 41-34B	NENE	34	070S	230E	4304715250	5670	Federal	OW	P
RWU 136 (43-19B)	RW 43-19B	NESE	19	070S	230E	4304715252	5670	Federal	OW	TA
RWU 137 (34-28B)	RW 34-28B	SWSE	28	070S	230E	4304715253	5670	Federal	GW	TA
RWU 138 (41-30B)	RW 41-30B	NENE	30	070S	230E	4304715254	5670	Federal	OW	P
RWU 140 (24-22B)	RW 24-22B	SESW	22	070S	230E	4304715255	5670	Federal	OW	P
RWU 141 (11-27B)	RW 11-27B	NWNW	27	070S	230E	4304715256	5670	Federal	OW	TA
RWU 143 (33-14B)	RW 33-14B	NWSE	14	070S	230E	4304715257	5670	Federal	OW	P
RWU 144 (21-18B)	RW 21-18B	NENW	18	070S	230E	4304715258	5670	Federal	OW	TA
RW 24-13B	RW 24-13B	SESW	13	070S	230E	4304715259	5670	Federal	OW	TA
RWU 147 (22-22B)	RW 22-22B	SESW	22	070S	230E	4304715260	5670	Federal	OW	TA
RWU 148 (13-22B)	RW 13-22B	NWSW	22	070S	230E	4304715261	99996	Federal	WI	A
RWU 150 (31-22B)	RW 31-22B	NWNE	22	070S	230E	4304715263	99996	Federal	WI	I
RWU 151 (42-14B)	RW 42-14B	SENE	14	070S	230E	4304715264	5670	Federal	OW	P
RWU 153 (14-29B)	RW 14-29B	SWSW	29	070S	230E	4304715265	5670	Federal	OW	P
RWU 156 (23-15B)	RW 23-15B	NESW	15	070S	230E	4304715267	99990	Federal	WI	A
RWU 158 (32-30B)	RW 32-30B	SWNE	30	070S	230E	4304715268	5670	Federal	OW	P
RWU 160 (32-15B)	RW 32-15B	SWNE	15	070S	230E	4304715270	5670	Federal	OW	P
RWU 161 (14-20B)	RW 14-20B	SWSW	20	070S	230E	4304715271	99996	Federal	WI	I
RWU 162 (12-20B)	RW 12-20B	SWNW	20	070S	230E	4304715272	5670	Federal	OW	P
RWU 164 (12-28B)	RW 12-28B	SWNW	28	070S	230E	4304715274	5670	Federal	OW	P
RWU 165 (32-26B)	RW 32-26B	SWNE	26	070S	230E	4304715275	5670	Federal	GW	TA
RWU 167 (23-21B)	RW 23-21B	NESW	21	070S	230E	4304715277	5670	Federal	OW	S
RWU 168 (23-24B)	RW 23-24B	NESW	24	070S	230E	4304715278	5670	Federal	OW	TA
RWU 172 (21-30B)	RW 21-30B	NENW	30	070S	230E	4304715280	5670	Federal	OW	TA
RWU 174 (21-20B)	RW 21-20B	NENW	20	070S	230E	4304715281	5670	Federal	WI	A
RWU 176 (31-28B)	RW 31-28B	NWNE	28	070S	230E	4304715283	5670	Federal	OW	TA
RWU 177 (42-28B)	RW 42-28B	SENE	28	070S	230E	4304715284	5670	Federal	OW	TA
RW 22-13B	RW 22-13B	SESW	13	070S	230E	4304715285	5670	Federal	OW	TA
RWU 180 (31-23B)	RW 31-23B	NWNE	23	070S	230E	4304715287	5670	Federal	OW	TA
RWU 181 (34-30B)	RW 34-30B	SWSE	30	070S	230E	4304715288	5670	Federal	OW	P
RW 33-13B	RW 33-13B	NWSE	13	070S	230E	4304715289	5670	Federal	WI	A
RWU 184 (23-26B)	RW 23-26B	NESW	26	070S	230E	4304715290	5670	Federal	GW	S
RWU 188 (23-20B)	RW 23-20B	NESW	20	070S	230E	4304715291	5670	Federal	OW	TA
RWU 192 (41-33A)	RW 41-33A	NENE	33	070S	220E	4304715294	5670	Federal	OW	P
RWU 193 (43-24B)	RW 43-24B	NESE	24	070S	230E	4304715295	5670	Federal	GW	TA
RWU 194 (12-14B)	RW 12-14B	SWNW	14	070S	230E	4304715296	5670	Federal	OW	S
RWU 196 (23-17C)	RW 23-17C	NESW	17	070S	240E	4304715298	5670	Federal	GW	TA
RWU 199 (43-22A)	RW 43-22A	NESE	22	070S	220E	4304715301	99996	Federal	WI	A
RWU 201 (32-28C)	RW 32-28C	SWNE	28	070S	240E	4304715302	5670	Federal	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

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Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 202 (21-34A)	RW 21-34A	NENW	34	070S	220E	4304715303	99996	Federal	WI	I
RWU 204 (23-25A)	RW 23-25A	NESW	25	070S	220E	4304715305	5670	Federal	OW	P
RWU 205 (23-21C)	RW 23-21C	NESW	21	070S	240E	4304715306	5670	Federal	GW	TA
RWU 2 (14-24B)	RW 14-24B	SWSW	24	070S	230E	4304716472	99996	Federal	WI	A
RWU 7 (41-27B)	RW 41-27B	NENE	27	070S	230E	4304716473	99996	Federal	WI	I
RWU 16 (43-28B)	RW 43-28B	NESE	28	070S	230E	4304716475	99996	Federal	WI	I
RWU 25 (23-23B)	RW 23-23B	NESW	23	070S	230E	4304716476	99996	Federal	WI	A
RWU 59 (12-24B)	RW 12-24B	SWNW	24	070S	230E	4304716477	99996	Federal	WI	A
RWU 61 (12-27A)	RW 12-27A	SWNW	27	070S	220E	4304716478	99996	Federal	WI	I
RWU 91 (33-22B)	RW 33-22B	NWSE	22	070S	230E	4304716479	99996	Federal	WI	A
RWU 93 (43-27B)	RW 43-27B	NESE	27	070S	230E	4304716480	99996	Federal	WI	I
RWU 6 (41-21B)	RW 41-21B	NENE	21	070S	230E	4304716482	99996	Federal	WI	A
RWU 68 (41-13B)	RW 41-13B	NENE	13	070S	230E	4304716485	99996	Federal	WI	I
RWU 170 (41-15B)	RW 41-15B	NENE	15	070S	230E	4304716495	99996	Federal	WI	I
RWU 173 (21-21B)	RW 21-21B	NENW	21	070S	230E	4304716496	99996	Federal	WI	A
RWU 182 (14-21B)	RW 14-21B	SWSW	21	070S	230E	4304716497	99996	Federal	WI	A
RWU 185 (41-1B)	RW 41-14B	NENE	14	070S	230E	4304716498	99996	Federal	WI	A
RWU 212 (41-8F)	RW 41-8F	NENE	08	080S	240E	4304720014	5670	Federal	GW	P
RWU 213 (41-33B)	RW 41-33B	NENE	33	070S	230E	4304720060	99996	Federal	WD	A
RWU 215 (43-28A)	RW 43-28A	NESE	28	070S	220E	4304730058	99996	Federal	WD	A
RWU 216 (21-27A)	RW 21-27A	NENW	27	070S	220E	4304730103	99996	Federal	WI	A
RWU 219 (44-21C)	RW 44-21C	SESE	21	070S	240E	4304730149	5670	Federal	GW	S
RWU 220 (22-23B)	RW 22-23B	SESE	23	070S	230E	4304730192	5670	Federal	OW	TA
RWU 221 (13-27B)	RW 13-27B	NWSW	27	070S	230E	4304730199	5670	Federal	OW	TA
RWU 222 (31-27B)	RW 31-27B	NWNE	27	070S	230E	4304730200	5670	Federal	GW	TA
RWU 224 (44-22B)	RW 44-22B	SESE	22	070S	230E	4304730202	5670	Federal	GW	TA
RWU 225 (13-23B)	RW 13-23B	NWSW	23	070S	230E	4304730212	5670	Federal	GW	TA
RWU 226 (24-23B)	RW 24-23B	SESE	23	070S	230E	4304730249	5670	Federal	GW	S
RWU 227 (14-26B)	RW 14-26B	SWSW	26	070S	230E	4304730257	5670	Federal	OW	TA
RWU 228 (21-34B)	RW 21-34B	NENW	34	070S	230E	4304730258	5670	Federal	OW	P
RWU 229 (43-26B)	RW 43-26B	NESE	26	070S	230E	4304730259	5670	Federal	OW	TA
RWU 230 (14-18C)	RW 14-18C	SWSW	18	070S	240E	4304730309	5670	Federal	OW	P
RWU 231 (21-35B)	RW 21-35B	NENW	35	070S	230E	4304730310	5670	Federal	OW	TA
RWU 232 (12-26B)	RW 12-26B	SWNW	26	070S	230E	4304730311	5670	Federal	OW	TA
RWU 233 (12-25B)	RW 12-25B	SWNW	25	070S	230E	4304730312	5670	Federal	OW	TA
RWU 234 (32-24B)	RW 32-24B	SWNE	24	070S	230E	4304730313	5670	Federal	OW	P
RWU 235 (34-18C)	RW 34-18C	SWSE	18	070S	240E	4304730314	5670	Federal	OW	S
RWU 236 (21-19C)	RW 21-19C	NENW	19	070S	240E	4304730340	5670	Federal	GW	P
RWU 237 (14-25B)	RW 14-25B	SWSW	25	070S	230E	4304730341	5670	Federal	OW	P
RWU 238 (32-35B)	RW 32-35B	SWNE	35	070S	230E	4304730342	5670	Federal	OW	TA
RWU 239 (41-35B)	RW 41-35B	NENE	35	070S	230E	4304730343	5670	Federal	OW	TA

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 240 (12-36B)	RW 12-36B	SWNW	36	070S	230E	4304730344	5670	Federal	OW	S
RWU 241 (22-14B)	RW 22-14B	SENW	14	070S	230E	4304730345	5670	Federal	OW	P
RW 42-13B	RW 42-13B	SENE	13	070S	230E	4304730346	5670	Federal	OW	P
RWU 243 (42-18C)	RW 42-18C	SENE	18	070S	240E	4304730347	5670	Federal	OW	TA
RWU 244 (23-19C)	RW 23-19C	NESW	19	070S	240E	4304730348	5670	Federal	GW	P
RWU 246 (22-18C)	RW 22-18C	SENW	18	070S	240E	4304730387	5670	Federal	OW	P
RWU 247 (22-17C)	RW 22-17C	SENW	17	070S	240E	4304730388	5670	Federal	GW	P
RWU 258 (34-22A)	RW 34-22A	SWSE	22	070S	220E	4304730458	5670	Federal	WI	A
RWU 262 (22-26B)	RW 22-26B	SENW	26	070S	230E	4304730517	5670	Federal	GW	TA
RWU 263 (24-26B)	RW 24-26B	SESW	26	070S	230E	4304730518	99996	Federal	WI	I
RWU 264 (31-35B)	RW 31-35B	NWNE	35	070S	230E	4304730519	99996	Federal	WI	A
RWU 265 (44-26B)	RW 44-26B	SESE	26	070S	230E	4304730520	5670	Federal	GW	P
RWU 266 (33-26B)	RW 33-26B	NWSE	26	070S	230E	4304730521	99996	Federal	WI	I
RWU 269 (13-26B)	RW 13-26B	NWSW	26	070S	230E	4304730522	99996	Federal	WI	A
RWU 273 (42-27B)	RW 42-27B	SENE	27	070S	230E	4304731051	5670	Federal	OW	TA
RWU 279 (11-36B)	RW 11-36B	NWNW	36	070S	230E	4304731052	99996	Federal	WI	A
RWU 276 (44-27B)	RW 44-27B	SESE	27	070S	230E	4304731053	5670	Federal	OW	TA
RWU 272 (44-23B)	RW 44-23B	SESE	23	070S	230E	4304731054	5670	Federal	GW	P
RWU 278 (11-26)	RW 11-26	NWNW	26	070S	230E	4304731076	5670	Federal	GW	TA
RWU 275 (31-26B)	RW 31-26B	NWNE	26	070S	230E	4304731077	99996	Federal	WI	A
RWU 280 (11-35B)	RW 11-35B	NWNW	35	070S	230E	4304731079	5670	Federal	OW	P
RWU 282 (42-26B)	RW 42-26B	SENE	26	070S	230E	4304731080	5670	Federal	GW	TA
RWU 271 (42-35B)	RW 42-35B	SENE	35	070S	230E	4304731081	5670	Federal	WI	I
RWU 270 (22-35B)	RW 22-35B	SENW	35	070S	230E	4304731082	5670	Federal	OW	P
RWU 284 (33-23B)	RW 33-23B	NWSE	23	070S	230E	4304731476	5670	Federal	GW	TA
RWU 285 (11-24B)	RW 11-24B	NWNW	24	070S	230E	4304731477	5670	Federal	OW	P
RWU 286 (42-21B)	RW 42-21B	SENE	21	070S	230E	4304731478	5670	Federal	OW	P
RW 44-13B	RW 44-13B	SESE	13	070S	230E	4304731512	5670	Federal	OW	TA
RWU 288 (24-27)	RW 24-27	SESW	27	070S	230E	4304731513	5670	Federal	OW	TA
RWU 289 (13-24B)	RW 13-24B	NWSW	24	070S	230E	4304731517	5670	Federal	OW	P
RWU 292 (42-23B)	RW 42-23B	SENE	23	070S	230E	4304731576	5670	Federal	GW	TA
RWU 295 (11-22B)	RW 11-22B	NWNW	22	070S	230E	4304731577	5670	Federal	GW	TA
RWU 296 (12-35B)	RW 12-35B	SWNW	35	070S	230E	4304731578	5670	Federal	OW	S
RWU 297 (24-15B)	RW 24-15B	SESW	15	070S	230E	4304731579	5670	Federal	OW	P
RWU 293 (22-22A)	RW 22-22A	SENW	22	070S	220E	4304731581	5670	Federal	OW	TA
RWU 294 (24-18C)	RW 24-18C	SESW	18	070S	240E	4304731582	5670	Federal	GW	P
RWU 298 (22-27B)	RW 22-27B	SENW	27	070S	230E	4304731679	5670	Federal	OW	TA
RWU 301 (43-15B)	RW 43-15B	NESE	15	070S	230E	4304731682	5670	Federal	GW	TA
RWU 302 (22-24B)	RW 22-24B	SENW	24	070S	230E	4304731683	5670	Federal	GW	TA
RWU 303 (34-17B)	RW 34-17B	SWSE	17	070S	230E	4304731819	5670	Federal	OW	P
RED WASH 305 (41-4F)	RW 41-4F	C-NE	04	080S	240E	4304732538	5670	Federal	GW	TA

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RED WASH 306	RW 23-23C	NESW	23	070S	240E	4304732629	5670	Federal	GW	P
RWU 207	RW 14-17B	SWSW	17	070S	230E	4304732738	5670	Federal	OW	P
RED WASH UNIT 261	RW 23-17B	NESW	17	070S	230E	4304732739	5670	Federal	WI	A
RWU 268 (43-17B)	RW 43-17B	NESE	17	070S	230E	4304732980	5670	Federal	WI	A
RWU 267 (32-17B)	RW 32-17B	SWNE	17	070S	230E	4304732981	5670	Federal	OW	P
RWU 283 (43-18B)	RW 43-18B	NESE	18	070S	230E	4304732982	5670	Federal	WI	A
RWU 299 (32-18B)	RW 32-18B	SWNE	18	070S	230E	4304733018	5670	Federal	OW	P
RWU 42-20B	RW 42-20B	SENE	20	070S	230E	4304733490	5670	Federal	OW	P
RWU 22-20B	RW 22-20B	SENE	20	070S	230E	4304733491	5670	Federal	OW	S
RWU 24-19B	RW 24-19B	SESW	19	070S	230E	4304733492	5670	Federal	OW	P
RWU 13-19B	RW 13-19B	NWSW	19	070S	230E	4304733497	5670	Federal	WI	A
RWU 13-20B	RW 13-20B	NWSW	20	070S	230E	4304733498	5670	Federal	WI	A
RWU 33-19B	RW 33-19B	NWSE	19	070S	230E	4304733499	5670	Federal	WI	A
RWU 33-20B	RW 33-20B	NWSE	20	070S	230E	4304733500	5670	Federal	WI	A
RED WASH 22-21B	RW 22-21B	SENE	21	070S	230E	4304733522	5670	Federal	OW	S
RED WASH 24-20B	RW 24-20B	SESW	20	070S	230E	4304733523	5670	Federal	OW	P
RED WASH 44-19B	RW 44-19B	SESE	19	070S	230E	4304733524	5670	Federal	OW	P
RED WASH 44-20B	RW 44-20B	SESE	20	070S	230E	4304733525	5670	Federal	OW	P
RWU 11-19B	RW 11-19B	NWNW	19	070S	230E	4304733552	5670	Federal	WI	A
RWU 11-20B	RW 11-20B	NWNW	20	070S	230E	4304733553	5670	Federal	WI	A
RWU 24-18B	RW 24-18B	SESW	18	070S	230E	4304733554	5670	Federal	OW	P
RWU 31-19B	RW 31-19B	NWNE	19	070S	230E	4304733555	5670	Federal	WI	A
RWU 42-19B	RW 42-19B	SENE	19	070S	230E	4304733556	5670	Federal	OW	P
RWU 22-19B	RW 22-19B	SENE	19	070S	230E	4304733559	5670	Federal	OW	P
RWU 23-24A	RW 23-24A	NESW	24	070S	220E	4304733567	5670	Federal	OW	P
RWU 34-24A	RW 34-24A	SWSE	24	070S	220E	4304733568	5670	Federal	WI	A
RWU 42-24A	RW 42-24A	SENE	24	070S	220E	4304733569	5670	Federal	OW	S
RWU 11-25A	RW 11-25A	NWNW	25	070S	220E	4304733574	5670	Federal	WI	A
RWU 13-25A	RW 13-25A	NWSW	25	070S	220E	4304733575	5670	Federal	WI	A
RWU 21-25A	RW 21-25A	NENW	25	070S	220E	4304733576	5670	Federal	OW	P
RWU 31-25A	RW 31-25A	NWNE	25	070S	220E	4304733577	5670	Federal	WI	A
RWU 33-25A	RW 33-25A	NWSE	25	070S	220E	4304733578	5670	Federal	WI	A
RW 41-25AX	RW 41-25A	NENE	25	070S	220E	4304733579	5670	Federal	OW	P
RWU 42-25A	RWU 42-25A	SENE	25	070S	220E	4304733580	5670	Federal	OW	TA
RWU 11-29B	RW 11-29B	NWNW	29	070S	230E	4304733590	5670	Federal	WI	A
RWU 12-24A	RW 12-24A	SWNW	24	070S	220E	4304733591	5670	Federal	WI	A
RWU 21-24A	RW 21-24A	NENW	24	070S	220E	4304733592	5670	Federal	OW	P
RWU 34-13A	RW 34-13A	SWSE	13	070S	220E	4304733593	5670	Federal	WI	A
RWU 44-18B	RW 44-18B	SESE	18	070S	230E	4304733594	5670	Federal	OW	P
RW 22-13A	RW 22-13A	SENE	13	070S	220E	4304733765	13296	Federal	OW	S
RWU 22-29B	RW 22-29B	SENE	29	070S	230E	4304733766	5670	Federal	OW	S

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 41-24A	RW 41-24A	NENE	24	070S	220E	4304733769	5670	Federal	OW	P
RWU 42-30B	RW 42-30B	SENE	30	070S	230E	4304733771	5670	Federal	OW	P
RWU 44-30B	RWU 44-30B	SESE	30	070S	230E	4304733772	5670	Federal	OW	P
RWU 11-30B	RW 11-30B	NWNW	30	070S	230E	4304733785	5670	Federal	WI	A
RWU 22-25A	RW 22-25A	SENE	25	070S	220E	4304733786	5670	Federal	OW	P
RWU 31-30B	RW 31-30B	NWNE	30	070S	230E	4304733788	5670	Federal	WI	A
RWU 33-30B	RW 33-30B	NWSE	30	070S	230E	4304733790	5670	Federal	WI	A
RED WASH U 34-27C	RW 34-27C	SWSE	27	070S	240E	4304735045	5670	Federal	GW	P
RWU 34-22C	RW 34-22C	SWSE	22	070S	240E	4304735098	5670	Federal	GW	P
RW 12G-20C	RW 12G-20C	SWNW	20	070S	240E	4304735239	14011	Federal	GW	S
RW 43G-08F	RW 43G-08F	NESE	08	080S	240E	4304735655		Federal	GW	APD
RW 22G-09F	RW 22G-09F	SENE	09	080S	240E	4304735656	15636	Federal	GW	OPS
RWU 34-23AG	RW 34-23AG	SWSE	23	070S	220E	4304735668	5670	Federal	OW	P
RWU 34-27AG	RWU 34-27AD	SWSE	27	070S	220E	4304735669	5670	Federal	OW	DRL
RWU 32-27AG	RWU 32-27AG	SWNE	27	070S	220E	4304735670	5670	Federal	OW	S
RW 14-34AMU	RW 14-34AMU	SWSW	34	070S	220E	4304735671	14277	Federal	GW	P
RW 12-08FG	RW 12-08FG	SWNW	08	080S	240E	4304736348		Federal	GW	APD
RW 44-08FG	RW 44-08FG	SESE	08	080S	240E	4304736349	15261	Federal	GW	P
RW 12-17FG	RW 12-17FG	SWNW	17	080S	240E	4304736350		Federal	GW	APD
RW 34-34 AMU	RW 34-34 AD	SWSE	34	070S	220E	4304736351		Federal	GW	APD
RW 44-35 AMU	RW 44-35 AMU	SESE	35	070S	220E	4304736352		Federal	GW	APD
RW 14-35 AMU	RW 14-35 AMU	SWSW	35	070S	220E	4304736354		Federal	GW	APD
RW 33-31 BMU	RW 33-31 BD	NWSE	31	070S	230E	4304736357		Federal	GW	APD
RW 13-31 BMU	RW 13-31 BD	NWSW	31	070S	230E	4304736358		Federal	GW	APD
RW 32-15FG	RW 32-15FG	SWNE	15	080S	240E	4304736443		Federal	GW	APD
RW 21-26AG	RW 21-26AD	NENW	26	070S	220E	4304736768		Federal	OW	APD
RW 43-26AG	RW 43-26AG	NESE	26	070S	220E	4304736769		Federal	OW	APD
RW 43-23AG	RW 43-23AG	NESE	23	070S	220E	4304736770		Federal	OW	APD
RW 41-26AG	RW 41-26AG	NENE	26	070S	220E	4304736818		Federal	OW	APD
RW 04-25BG	RW 04-25B	NWSW	25	070S	230E	4304736982		Federal	OW	APD
RW 01-25BG	RW 01-25BG	NWNW	25	070S	230E	4304736983		Federal	OW	APD
RW 04-26BG	RW 04-26BG	SESW	26	070S	230E	4304736984		Federal	OW	APD
RW 01-26BG	RW 01-26BG	SWNW	26	070S	230E	4304736985		Federal	OW	APD
RW 01-35BG	RW 01-35BG	SWNW	35	070S	230E	4304736986		Federal	OW	APD

RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 51 (12-16B)	RW 12-16B	SWNW	16	070S	230E	4304715177	5670	State	OW	P
RWU ST 189 (41-16B)	RW 41-16B	NENE	16	070S	230E	4304715292	5670	State	OW	S
RED WASH UNIT 259	RW 14-16B	SWSW	16	070S	230E	4304732785	5670	State	OW	P
RED WASH UNIT 260	RW 34-16B	SWSE	16	070S	230E	4304732786	5670	State	OW	P
RWU 324 (23-16B)	RW 23-16B	SESW	16	070S	230E	4304733084	5670	State	WI	OPS
RWU 21W-36A	RWU 21W-36A	NENW	36	070S	220E	4304733730		State	GW	LA
RWU 21G-36A	RWU 21G-36A	NENW	36	070S	220E	4304733731		State	OW	LA
RWU 41-36A	RWU 41-36A	NENE	36	070S	220E	4304733732		State	OW	LA
RWU 43-16B	RWU 43-16B	NESE	16	070S	230E	4304733733		State	OW	LA
RWU 21-16B	RWU 21-16B	NENW	16	070S	230E	4304733734		State	OW	LA
RWU 11-36A	RWU 11-36A	NWNW	36	070S	220E	4304733736		State	OW	LA
RWU 13-36A	RWU 13-36A	NWSW	36	070S	220E	4304733737		State	OW	LA
RW 32G-16C	RW 32G-16C	SWNE	16	070S	240E	4304735238	5670	State	GW	P
RW 14-36AMU	RW 14-36AMU	SWSW	36	070S	220E	4304736721		State	GW	APD
RW 01-36BG	RW 01-36BG	NWNW	36	070S	230E	4304736887	5670	State	OW	S
RW 24-16BG	RW 24-16BG	SESW	16	070S	230E	4304737746	5670	State	OW	DRL
RW 12-32BG	RW 12-32BG	SWNW	32	070S	230E	4304737946	15841	State	GW	DRL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR
QUESTAR EXPLORATION AND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068

4. LOCATION OF WELL

FOOTAGES AT SURFACE: attached

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
see attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
see attached

7. UNIT or CA AGREEMENT NAME:
see attached

8. WELL NAME and NUMBER:
see attached

9. API NUMBER:
attached

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Operator Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: 965003033

Fee Land Bond Number: 965003033

Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry

TITLE Supervisor, Regulatory Affairs

SIGNATURE

DATE 3/16/2007

(This space for State use only)

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APR 19 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:

QUESTAR EXPLORATION AND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

1050 17th Street Suite 500 City: Denver

STATE: CO ZIP: 80265

PHONE NUMBER:

(303) 308-3068

4. LOCATION OF WELL

FOOTAGES AT SURFACE: attached

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
see attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
see attached

7. UNIT or CA AGREEMENT NAME:
see attached

8. WELL NAME and NUMBER:
see attached

9. API NUMBER:
attached

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

1/1/2007

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Well Name Changes

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) Debra K. Stanberry

TITLE Supervisor, Regulatory Affairs

SIGNATURE

DATE 4/17/2007

(This space for State use only)

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APR 19 2007

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Red Wash Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files

UT922:TAThompson:tt:4/23/07

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APR 30 2007

DIV. OF OIL, GAS & MINING

**NOTICE OF LATE REPORTING
DRILLING & COMPLETION INFORMATION**

CONFIDENTIAL

Utah Oil and Gas Conservation General Rule R649-3-6 states that,

- Operators shall submit monthly status reports for each drilling well (including wells where drilling operations have been suspended).

Utah Oil and Gas Conservation General Rule R649-3-21 states that,

- A well is considered completed when the well has been adequately worked to be capable of producing oil or gas or when well testing as required by the division is concluded.
- Within 30 days after the completion or plugging of a well, the following shall be filed:
 - Form 8, Well Completion or Recompletion Report and Log
 - A copy of electric and radioactivity logs, if run
 - A copy of drillstem test reports,
 - A copy of formation water analyses, porosity, permeability or fluid saturation determinations
 - A copy of core analyses, and lithologic logs or sample descriptions if compiled
 - A copy of directional, deviation, and/or measurement-while-drilling survey for each horizontal well

Failure to submit reports in a timely manner will result in the issuance of a Notice of Violation by the Division of Oil, Gas and Mining, and may result in the Division pursuing enforcement action as outlined in Rule R649-10, Administrative Procedures, and Section 40-6-11 of the Utah Code.

As of the mailing of this notice, the division has not received the required reports for

Operator: QUESTAR EXPLORATION & PRODUCTION CO Today's Date: 03/03/2008

Well: _____ API Number: _____ Drilling Commenced: _____

☒ List Attached

To avoid compliance action, required reports should be mailed within 7 business days to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

If you have questions or concerns regarding this matter, please contact Carol Daniels
at (801) 538-5284.

cc: Well File
Compliance File



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

March 5, 2008

CERTIFIED MAIL NO. 7004 2510 0004 1824 5421

Mr. Kirk Fleetwood
Questar Exploration & Production
11002 East 17500 South
Vernal, Utah 84078

43 047 33084
RW 23-16B
7S 23E 16

Re: Third Notice of Extended Shut-in and Temporarily Abandoned Well Requirements for Fee or State Leases.

Dear Mr. Fleetwood:

As of January 2008, Questar Exploration & Production has ten (10) State Mineral Lease Wells that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status (see attachment A). Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

In March 2004 the Division notified Questar by certified mail that the following 3 wells were in violation of R649-3-36:

- Toll Station ST 8-36-8-21 API 4304732724
- WV 9W-36-7-21 API 4304734066
- WV 7W-36-7-21 API 4304734065

Questar responded with plans to recomplete, convert to injector, or plug and abandon (P&A) these wells by November 2004. To date, nothing has been done on these wells.



March 5, 2008

Questar Third Notice of Extended Shut-in and Temporarily Abandoned Well Requirements

In December 2005, a Second Notice was sent from the DOGM office that reiterated the need for Questar to comply with R649-3-36. Questar was noticed that the following three additional wells were also now in violation of R649-3-36:

- WV 11W-36-7-21 API 4304734067
- OU GB 8W-16-8-22 API 4304734660
- RWU 324(23-16B) API 4304733084

Telephone conversations between Questar and DOGM concerning these additional 3 wells, including a letter response from Questar dated December 29, 2005, followed. The letter response stated wells WV 9W-36-7-21 and WV 7W-36-7-21 were under review and wells Toll Station ST 8-36-8-21, WV 11W-36-7-21, OU GB8W-16-8-22, and RWU 324(23-16B) were scheduled for recompletion or plugging. RWU 324 (23-16B) was noticed for P&A and approved for plugging in February 2006. The well is currently listed as "operation suspended" in our database. DOGM records show that nothing has been done on any of the six wells to bring them into compliance with R649-3-36.

DOGM feels sufficient time has passed to make a determination on these wells. Please submit your plans to produce or plug these wells to DOGM within 30 days of this notice or a Notice of Violation (NOV) will be issued. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

In addition to the six wells listed above, the following four additional wells are now also in violation of R649-3-36:

- WV 16W-2-8-21 API 4304733645
- OU GB 15G-16-8-22 API 4304734829
- RW 01-36BG API 4304736887
- HR 10MU-2-12-23 API 4304738055

This letter will serve as a first notice for these wells. Questar can put these wells back on production, plug the wells or request extended SI/TA. For extended SI/TA consideration, the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence/or absence of Underground Sources of Drinking Water, and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

March 5, 2008

Questar Third Notice of Extended Shut-in and Temporarily Abandoned Well Requirements

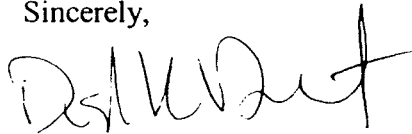
Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA.

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

Additionally, DOGM has not received Sundry notice of testing on well HR 10MU-2-12-23 (API 4304738055) completed in January 2007.

Please respond with your plans for all wells referenced in this letter. If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet
Petroleum Engineer

js

Attachment

cc: Well File
Operator Compliance File
Jim Davis, SITLA

ATTACHMENT A

	Well Name	API	Lease Type	Years/Months Inactive
1	TOLL STATION ST 8-36-8-21	4304732724	ML-22051	11 years 7months
2	RW 23-16B	4304733084	ML-3037	7 years 4 months
3	WV 16W-2-8-21	4304733645	ML-2785	2 years 3 months
4	WV 7W-36-7-21	4304734065	ML-47040	6 years 2 months
5	WV 9W-36-7-21	4304734066	ML-47040	6 years 3 months
6	WV 11W-36-7-21	4304734067	ML-47040	2 years 8 months
7	OU GB 8W-16-8-22	4304734660	ML-22049	4 years 9 months
8	OU GB 15G-16-8-22	4304734829	ML-22049	3 years 3 months
9	RW 01-36BG	4304736887	UTO-0566-ST	1 years 2 months
10	HR 10MU-2-12-23	4304738055	ML-50193	1 year 1 month

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-3037
2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078	7. UNIT or CA AGREEMENT NAME: RED WASH UNIT
PHONE NUMBER: (435) 781-4301	8. WELL NAME and NUMBER: RWY 23-16B
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1274' FSL 1838' FWL	9. API NUMBER: 4304733084
COUNTY: UINTAH	10. FIELD AND POOL, OR WILDCAT:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 16 7S 23E	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: MONTHLY STATUS REPORT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Questar Exploration & Production Company submits this sundry to report there has been no activity on the above captioned well since the date of the request to Plug & Abandon. (February 2006)

RECEIVED
MAR 07 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Laura Bills TITLE Associate Regulatory Affairs Analyst
SIGNATURE *Laura Bills* DATE 3/6/2008

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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PHONE NUMBER: (435) 781-4301		8. WELL NAME and NUMBER: RWU 23-16B
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1274' FSL 1838' FWL		9. API NUMBER: 4304733084
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 16 7S 23E		10. FIELD AND POOL, OR WILDCAT: COUNTY: UINTAH
		STATE: UTAH

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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: MONTHLY
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	STATUS REPORT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Questar Exploration & Production Company submits this sundry to report there has been no activity on the above captioned well since the date of the request to Plug & Abandon. (February 2006)

NAME (PLEASE PRINT) Laura Bills	TITLE Associate Regulatory Affairs Analyst
SIGNATURE <i>Laura Bills</i>	DATE 4/8/2008

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APR 10 2008

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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FORM 9

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<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

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NAME (PLEASE PRINT) Laura Bills	TITLE Associate Regulatory Affairs Analyst
SIGNATURE <i>Laura Bills</i>	DATE 5/5/2008

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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8. STATE: UTAH		

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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: MONTHLY
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	STATUS REPORT

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RECEIVED

JUN 09 2008

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Laura Bills	TITLE Associate Regulatory Affairs Analyst
SIGNATURE <i>Laura Bills</i>	DATE 6/3/2008

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Associate Regulatory Affairs Analyst</u>
SIGNATURE <u><i>Laura Bills</i></u>	DATE <u>8/12/2008</u>

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AUG 14 2008

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

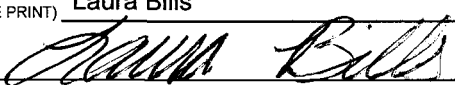
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NAME (PLEASE PRINT) Laura Bills	TITLE Associate Regulatory Affairs Analyst
SIGNATURE 	DATE 9/2/2008

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SEP 04 2008

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Form 3160-5
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**SUNDRY NOTICES AND REPORTS ON WELLS****Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE- Other instructions on reverse side.**1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator **Questar Exploration and Production Inc.**3a. Address
11002 E. 17500 S. VERNAL, UT 84078-85263b. Phone No. (include area code)
435-781-43194. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1274' FSL, 1838' FWL, SESW, SECTION 16, T7S, R23E, SLBM

5. Lease Serial No.

ML 3037

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

RW 23-16B

9. API Well No.

43-047-33084

10. Field and Pool, or Exploratory Area

Red Wash

11. County or Parish, State

Uintah**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar requests approval to plug and abandon this well as follows:

1. Fill surface casing from 449' to surface with 170 sacks
2. Install dry hole marker

Work will start after Questar receives BLM and UDOGM approval**COPY SENT TO OPERATOR**Date: 11.16.2008Initials: KS14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Lucius McGillivray lucius.mcgillivray@questar.com**Title **Associate Petroleum Engineer**

Signature

Date

10/1/08**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Pet-Eng.

Date

11/4/08

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

DOGM

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

*** Confirms approval granted 2/21/06 -
COA's from that approval still apply****RECEIVED****OCT 06 2008****DIV. OF OIL, GAS & MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

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QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 16 7S 23E		9. API NUMBER: 4304733084
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: MONTHLY
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	STATUS REPORT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Questar Exploration & Production Company submits this sundry to report there has been no activity on the above captioned well since the date of the request to Plug & Abandon. (February 2006)

NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Associate Regulatory Affairs Analyst</u>
SIGNATURE <u><i>Laura Bills</i></u>	DATE <u>10/8/2008</u>

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OCT 14 2008

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Laura Bills	TITLE Associate Regulatory Affairs Analyst
SIGNATURE <i>Laura Bills</i>	DATE 11/3/2008

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NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Associate Regulatory Affairs Analyst</u>
SIGNATURE <u><i>Laura Bills</i></u>	DATE <u>12/2/2008</u>

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

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NAME (PLEASE PRINT) Laura Bills	TITLE Associate Regulatory Affairs Analyst
SIGNATURE <i>Laura Bills</i>	DATE 1/5/2009

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Associate Regulatory Affairs Analyst</u>
SIGNATURE <u><i>Laura Bills</i></u>	DATE <u>2/2/2009</u>

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FEB 04 2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Questar Exploration & Production Company set conductor on 10/17/2000. This location is on Questar's future drilling schedule.

NAME (PLEASE PRINT) Laura Bills	TITLE Associate Regulatory Affairs Analyst
SIGNATURE <i>Laura Bills</i>	DATE 3/4/2009

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MAR 09 2009

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

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NAME (PLEASE PRINT) <u>Laura Bills</u>	TITLE <u>Associate Regulatory Affairs Analyst</u>
SIGNATURE <u>Laura Bills</u>	DATE <u>4/2/2009</u>

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APR 07 2009

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: Plug and Abandonment

2. Name of Operator
Questar Exploration and Production Company

3. Address 11002 E. 17500 S. Vernal, UT 84078-8526

3a. Phone No. (include area code)
435-781-4319

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface **SESW 1274 FSL, 1838 FWL**

At top prod. interval reported below **SESW 1274 FSL, 1838 FWL**

At total depth **SESW 1274 FSL, 1838 FWL**

14. Date Spudded
10/17/2000

15. Date T.D. Reached
10/17/2000

16. Date Completed **416109**
☒ D & A ☐ Ready to Prod.

5. Lease Serial No.
ML 3037

6. If Indian, Allottee or Tribe Name
N/A

7. Unit or CA Agreement Name and No.
Redwash

8. Lease Name and Well No.
RW 23-16B

9. AFI Well No.
43-047-33084

10. Field and Pool or Exploratory
Red Wash

11. Sec., T., R., M., on Block and
Survey or Area **Sec. 16, T7S, R23E**

12. County or Parish
Uintah

13. State
UT

17. Elevations (DF, RKB, RT, GL)*
5580' GL

18. Total Depth: MD 449'
TVD

19. Plug Back T.D.: MD 449'
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (H/L)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625 K-55	36	0	449		175		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Uinta	0	0				
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method Other
10/17/00	10/17/00	0	→	0	0	0			
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	0	0	→					D&A	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

Never Produced

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth

32. Additional remarks (include plugging procedure):

Well was Plugged and Abandoned by Questar E&P Co. as follows

1. RIH with 1" to 448'
2. Pumped 150 sacks until good cement at surface
3. Cut off casing 3' below surface
4. Weld on plate

33. Indicate which items have been attached by placing a check in the appropriate boxes:

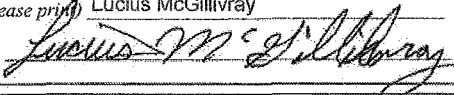
- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☒ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
☒ Other: Subsequent Report of Abandonment

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Lucius McGillivray

Title Associate Petroleum Engineer

Signature



Date 04/15/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **Questar Exploration and Production Inc.**

3a. Address
11002 E. 17500 S. VERNAL, UT 84078-8526

3b. Phone No. (include area code)
435-781-4319

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1274' FSL, 1838' FWL, SESW, SECTION 16, T7S, R23E, SLBM

5. Lease Serial No.
ML 3037

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
Redwash

8. Well Name and No.
RW 23-16B

9. API Well No.
43-047-33084

10. Field and Pool, or Exploratory Area
Redwash

11. County or Parish, State
Uintah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar Exploration and Production reports the following work to plug and abandon has occurred on April 6, 2009 as follows:

1. RIH with 1" to 448'
2. Pumped 150 sacks until good cement at surface
3. Weld on plate

State was notified but no representative showed up.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Lucius McGillivray lucius.mcgillivray@questar.com

Title **Associate Petroleum Engineer**

Signature

Lucius McGillivray

Date

4/15/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING

CDW

Change of Operator (Well Sold)

X - Operator Name Change

The operator of the well(s) listed below has changed, effective:

6/14/2010**FROM: (Old Operator):**

N5085-Questar Exploration and Production Company
1050 17th St, Suite 500
Denver, CO 80265

Phone: 1 (303) 308-3048

TO: (New Operator):

N3700-QEP Energy Company
1050 17th St, Suite 500
Denver, CO 80265

Phone: 1 (303) 308-3048

CA No.

Unit:

RED WASH

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
- a. (R649-9-2) Waste Management Plan has been received on: Requested
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <i>N5085</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 QTR: Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		8. WELL NAME and NUMBER: See attached
PHONE NUMBER: (303) 672-6900		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT: See attached

COUNTY: Attached

STATE:

UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: ~~965003033~~

Fee Land Bond Number: ~~965003033~~ *965010695*

BIA Bond Number: ~~799446~~ *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson

TITLE Regulatory Affairs Analyst

SIGNATURE *Morgan Anderson*

DATE 6/23/2010

(This space for State use only)

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JUN 28 2010

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

APPROVED *6/30/2009*
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 12-16B	16	070S	230E	4304715177	5670	State	OW	P	
RW 41-16B	16	070S	230E	4304715292	5670	State	OW	P	
RW 14-16B	16	070S	230E	4304732785	5670	State	OW	P	
RW 34-16B	16	070S	230E	4304732786	5670	State	OW	P	
RW 23-16B	16	070S	230E	4304733084	5670	State	D	PA	
RWU 21W-36A	36	070S	220E	4304733730		State	GW	LA	
RWU 21G-36A	36	070S	220E	4304733731		State	OW	LA	
RWU 41-36A	36	070S	220E	4304733732		State	OW	LA	
RWU 43-16B	16	070S	230E	4304733733		State	OW	LA	
RWU 21-16B	16	070S	230E	4304733734		State	OW	LA	
RWU 11-36A	36	070S	220E	4304733736		State	OW	LA	
RWU 13-36A	36	070S	220E	4304733737		State	OW	LA	
RW 32G-16C	16	070S	240E	4304735238	5670	State	GW	P	
RW 14-36AMU	36	070S	220E	4304736721		State	GW	LA	
RW 01-36BG	36	070S	230E	4304736887	5670	State	OW	P	
RW 24-16BG	16	070S	230E	4304737746	5670	State	OW	P	
RW 12-32BG	32	070S	230E	4304737946	15841	State	GW	P	
RW 23-32BD	32	070S	230E	4304739182		State	GW	APD	C
RW 21-32BW	32	070S	230E	4304739183		State	GW	APD	C

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office
From: Chief, Branch of Minerals *Roger L Bankert*
Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

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AUG 16 2010
DIV. OF OIL, GAS & MINERALS